

Uterine corpus endometrial cancer-relevant targeted proteomics panel

oM = oxidized Met, p
= phospho,
uK=ubiquitinated Lys
(122 analytes)

Gene Symbol	Target protein name	UniProt ID & protein name (with UniProt hyperlink)	Modification/Variant*
ACT	Actin-like protein	Q562L2	nonmod
AKT1	RAC-alpha serine/threonine-protein kinase	P31749	nonmod
AKT1	RAC-alpha serine/threonine-protein kinase	P31749	nonmod
ANXA1	Annexin A1	P04083	nonmod
ANXA1	Annexin A1	P04083	nonmod
ARID1A	AT-rich interactive domain-containing protein 1A	Q14497	nonmod
ATM	Serine-protein kinase ATM	Q13315	pS2996
ATM	Serine-protein kinase ATM	Q13315	nonmod
ATM	Serine-protein kinase ATM	Q13315	pS367
ATM	Serine-protein kinase ATM	Q13315	nonmod
ATR	Serine/threonine-protein kinase ATR	Q13535	pT1989
ATR	Serine/threonine-protein kinase ATR	Q13535	nonmod
B2M	Beta-2-microglobulin	P61769	nonmod
BAD	Bcl2-associated agonist of cell death	Q92934	nonmod
BRCA1	Breast cancer type 1 susceptibility protein	P38398	nonmod
BRCA1	Breast cancer type 1 susceptibility protein	P38398	pS1524
BRCA1	Breast cancer type 1 susceptibility protein	P38398	nonmod
BRCA2	Breast cancer type 2 susceptibility protein	P51587	nonmod
BTLA	B- and T-lymphocyte attenuator	Q7Z6A9	nonmod
CASP3	Caspase-3	P42574	pS26
CCND1	G1/S-specific cyclin-D1	P24385	nonmod
CCND1	G1/S-specific cyclin-D1	P24385	nonmod
CCND1	G1/S-specific cyclin-D1	P24385	nonmod
CCNE1	G1/S-specific cyclin-E1	P24864	nonmod
CD14	Monocyte differentiation antigen CD14	P08571	nonmod
CD163	Scavenger receptor cysteine-rich type 1 protein M130	Q86VB7	nonmod
CD274	Programmed cell death 1 ligand 1	Q9NZQ7	nonmod
CD276	CD276 antigen	Q5ZPR3	nonmod
CD4	T-cell surface glycoprotein CD4	P01730	nonmod
CD47	Leukocyte surface antigen CD47	Q08722	nonmod
CD74	HLA class II histocompatibility antigen gamma chain	P04233	nonmod
CD8A	T-cell surface glycoprotein CD8 alpha chain	P01732	nonmod
CDH1	Cadherin-1	P12830	nonmod
CDH1	Cadherin-1	P12830	nonmod
CDKN1A	Cyclin-dependent kinase inhibitor 1	P38936	nonmod
CHEK2	Serine/threonine-protein kinase Chk2	Q96017	pS379
CTLA4	Cytotoxic T-lymphocyte protein 4	P16410	nonmod
CTNNB1	Catenin beta-1	P35222	nonmod
CTNNB1	Catenin beta-1	P35222	nonmod
ERBB2	Receptor tyrosine-protein kinase erbB-2	P04626	nonmod
ERBB2	Receptor tyrosine-protein kinase erbB-2	P04626	nonmod
ERBB2	Receptor tyrosine-protein kinase erbB-2	P04626	nonmod
ERBB3	Receptor tyrosine-protein kinase erbB-3	P21860	nonmod
ERBB3	Receptor tyrosine-protein kinase erbB-3	P21860	nonmod
ERCC2	General transcription and DNA repair factor IIH helicase subunit XPD	P18074	nonmod
ESR1	Estrogen receptor	P03372	nonmod
ESR1	Estrogen receptor	P03372	nonmod
FABP4	Fatty acid-binding protein, adipocyte	P15090	nonmod
FBN1	Fibrillin-1 [Cleaved into: Asprosin]	P35555	nonmod
FOXO1	Forkhead box protein O1	Q12778	nonmod
GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	P04406	nonmod
HBB	Hemoglobin subunit beta	P68871	nonmod
HBB	Hemoglobin subunit beta	P68871	nonmod
HLA-E	HLA class I histocompatibility antigen, alpha chain E	P13747	nonmod
ICAM1	Intercellular adhesion molecule 1	P05362	nonmod
IDO1	Indoleamine 2,3-dioxygenase 1	P14902	nonmod
ITGAE	Integrin alpha-E	P38570	nonmod
ITGAM	Integrin alpha-M	P11215	nonmod
ITGAX	Integrin alpha-X	P20702	nonmod
JAK1	Tyrosine-protein kinase JAK1	P23458	nonmod
KRT5	Keratin, type II cytoskeletal 5	P13647	nonmod
KRT7	Keratin, type II cytoskeletal 7	P08729	nonmod
LAG3	Lymphocyte activation gene 3 protein	P18627	nonmod
LIG1	DNA ligase 1	P18858	nonmod
MAP2K4	Dual specificity mitogen-activated protein kinase kinase 4	P45985	nonmod

MKI67	Proliferation marker protein Ki-67	P46013	nonmod
MKI67	Proliferation marker protein Ki-67	P46013	nonmod
MLH1	DNA mismatch repair protein Mlh1	P40692	nonmod
MMP9	Matrix metalloproteinase-9	P14780	nonmod
MPO	Myeloperoxidase	P05164	oM588
MPO	Myeloperoxidase	P05164	nonmod
MSH2	DNA mismatch repair protein Msh2	P43246	nonmod
MSH3	DNA mismatch repair protein Msh3	P20585	nonmod
MSH6	DNA mismatch repair protein Msh6	P52701	nonmod
MSLN	Mesothelin	Q13421	nonmod
MSLN	Mesothelin	Q13421	nonmod
MTOR	Serine/threonine-protein kinase mTOR	P42345	nonmod
MTOR	Serine/threonine-protein kinase mTOR	P42345	nonmod
MTOR	Serine/threonine-protein kinase mTOR	P42345	nonmod
MTOR	Serine/threonine-protein kinase mTOR	P42345	nonmod
NBN	Nibrin	Q60934	nonmod
NBN	Nibrin	Q60934	pS343
NBN	Nibrin	Q60934	nonmod
NFKB1	Nuclear factor NF-kappa-B p105 subunit	P19838	nonmod
NFKB2	Nuclear factor NF-kappa-B p100 subunit	Q00653	nonmod
PARP1	Poly [ADP-ribose] polymerase 1	P09874	nonmod
PCNA	Proliferating cell nuclear antigen	P12004	nonmod
PCNA	Proliferating cell nuclear antigen	P12004	uK164
PCNA	Proliferating cell nuclear antigen	P12004	nonmod
PECAM1	Platelet endothelial cell adhesion molecule	P16284	nonmod
PGR	Progesterone receptor	P06401	nonmod
PGR	Progesterone receptor	P06401	nonmod
PIK3CA	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform	P42336	nonmod
PLIN4	Perilipin-4	Q96Q06	nonmod
PMS1	PMS1 protein homolog 1	P54277	nonmod
PMS2	Mismatch repair endonuclease PMS2	P54278	nonmod
POLD1	DNA polymerase delta catalytic subunit	P28340	nonmod
POLE	DNA polymerase epsilon catalytic subunit A	Q07864	nonmod
PRKDC	DNA-dependent protein kinase catalytic subunit	P78527	pT2609
PTEN	Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	P60484	nonmod
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PTEN	Phosphatidylinositol 3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	P60484	nonmod
PTGS2	Prostaglandin G/H synthase 2	P35354	nonmod
PTPRC	Receptor-type tyrosine-protein phosphatase C	P08575	nonmod
PTPRC	Receptor-type tyrosine-protein phosphatase C	P08575	nonmod
RAD50	DNA repair protein RAD50	Q92878	pS635
RAD50	DNA repair protein RAD50	Q92878	nonmod
RB1	Retinoblastoma-associated protein	P06400	pS807
RB1	Retinoblastoma-associated protein	P06400	nonmod
RELA	Transcription factor p65	Q04206	nonmod
RIF1	Telomere-associated protein RIF1	Q5UIP0	nonmod
STK11	Serine/threonine-protein kinase STK11	Q15831	nonmod
TGFB1	Transforming growth factor beta-1 proprotein [Cleaved into: Latency-associated peptide	P01137	nonmod
TP53	Cellular tumor antigen p53	P04637	pS315
TP53	Cellular tumor antigen p53	P04637	nonmod
TUBB	Tubulin beta chain	P07437	nonmod
VCAM1	Vascular cell adhesion protein 1	P19320	nonmod
VCAN	Versican core protein	P13611	nonmod
VEGFA	Vascular endothelial growth factor A, long form	P15692	nonmod
VTCN1	V-set domain-containing T-cell activation inhibitor 1	Q7Z7D3	nonmod
XRCC1	DNA repair protein XRCC1	P18887	nonmod
XRCC5	X-ray repair cross-complementing protein 5	P13010	nonmod