

Product datasheet for TP308051L

USP20 (NM_006676) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin specific peptidase 20 (USP20), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208051 protein sequence Red=Cloning site Green=Tags(s)

MGDSRDLCPHLDSIGEVTKEDLLLKSKGTCQSCGVTGPNLWACLQVACPYVGCGESFADHSTIHAQAKKH
NLTVNLTTFRLWCYACEKEVFLEQRLAAPLLGSSSKFSEQDSPPPSHPLKAVPIA VADEGESESEDDDLK
PRGLTGMKNLGNSCYMNAALQALSNCPLTQFFLECGGLVRTDKK PALCKSYQKLVSEVWHKRP SYVWP
TSLSHGIKLVNPMFRGYAQDQTQEFRLCLMDQLHEELKEPVVATVALTEARSDSDSDTDEKREGDRSPSE
DEFLSCDSSDRGEGDGQGRGGSSQAETELLIPDEAGRAISEKERMKDRKFSWGQQRTNSEQVDEADV
DTAMAALDQPAAEQPPSPRSSPCRTPEPDNDAHLRSSSRPCSPVHHHEGHAKLSSSPPRASPV RMAPS Y
VLKKAQVLSAGSRRRKEQRYRSVISDIFDGSILSLVQCLTCDRVSTTVETFDLSLPIPGKEDLAKLHSA
IYQNVPAKPGACGDSYAAQGWLAFIVEYIRRFVWSCTPSWFWGPPVVTLEDCLAAFFAADELKGDNMYSC E
RCKKL RNVGKYCKVLR LPEILCIHLKRFRHEVMYSFKINSHVSFPLEGLDLRPF LAKECTSQITTYD LLS
VICHHG TAGSGHYIAYCQNVINGQWYEFDDQYVTEVHETVWQNAEGYVLFYRKSSEEMRERQV VSLAA
MREPSLLRFYVSREWL NKFNTFAEPGPITNQTFLCSHG GIPPHKYHYIDDLVILPQNVWEHLYNRF GGG
PAVNHL YVCSICQVEIEALAKRRRIEIDTFIKLNKAFQAEESPGVIYCISMQWFREWEAFVKGKDNE PPG
PIDNSRIAQVKGSGHVQLKQGADY GQISEETWTYLNSLYGGGPEIAIRQSVAQPLGPENLHG EQKIEAET
RAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

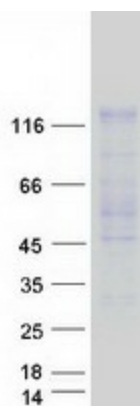
Tag:	C-Myc/DDK
Predicted MW:	101.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Pull-down assay (PMID: 26839314)



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006667
Locus ID:	10868
UniProt ID:	Q9Y2K6
RefSeq Size:	4538
Cytogenetics:	9q34.11
RefSeq ORF:	2739
Synonyms:	hVDU2; LSFR3A; VDU2
Summary:	This gene encodes a ubiquitin specific processing protease that was first identified as a substrate of the VHL (von Hippel-Lindau disease) protein E3 ubiquitin ligase complex. In addition to being ubiquitinated by the VHL-E3 ligase complex, this enzyme deubiquitinates hypoxia-inducible factor (HIF)-1 alpha and thereby causes increased expression of HIF-1alpha targeted genes which play a role in angiogenesis, glucose metabolism, cell proliferation and metastasis. The enzyme encoded by this gene also regulates G-protein coupled receptor signaling by mediating the deubiquitination of beta-2 adrenergic receptor (ADRB2). This enzyme is a ubiquitously expressed thiolester hydrolase. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jan 2013]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified USP20 protein (Cat# [TP308051]). The protein was produced from HEK293T cells transfected with USP20 cDNA clone (Cat# [RC208051]) using MegaTran 2.0 (Cat# [TT210002]).