

Product datasheet for **TP302624L**

USP5 (NM_003481) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin specific peptidase 5 (isopeptidase T) (USP5), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202624 protein sequence Red =Cloning site Green =Tags(s)

MAELSEEALLSVLPTIRVPKAGDRVHKDECAFSFDTPESGGLYICMNTFLGFGKQYVERHFNKTGQRVY
LHLRRTTRRPKEEDPATGTGDPPRKKPTRLAIGVEGGFDLSEEFELDEDVKIVILPDYLEIARDGLGGLP
DIVRDRVTSAVEALLSADSASRKQEVQAWDGEVRQVSKHAFSLKQLDNPARIPPCGWKCSKCDMRENLWL
NLTDGSILCGRRYFDGSGGNNHAVEHYRETGYPLAVKLGITITPDGADVSYDEDDMVLDPSLAEHLSHFG
IDMLKMQKTDKTMTELEIDMNQRIGEWELIQESGVPLKPLFGPGYTGIRNLGNSCYLNSVQVLFSDIPDF
QRKYVDKLEKIFQNAPTDPTQDFSTQVAKLGHLLSGEYSKVPESGDGERVPEQKEVQDGIAPRMFKAL
IGKGHPEFSTNRQQDAQEFFLHLINMVERNCRSENPNVFRFLVEEKIKCLATEKVYQTRVDYIMQLP
VPMDAALNKEELLEYYEKKRQAEEEKMALPELVRAQVPFSSCLEAYGAPEQVDDFWSTALQAKSVAVKTT
RFASFPDYLVIIQIKKFTFGLDWVPKLDVSIEMPEELDISQLRGTGLQPGEEELPDIAPPLVTPDEPKAP
MLDESVIIQLVEMGFPMDACRKAIVYTGNSGAEAMNWMVSHMDDPDFANPLILPGSSGPGSTSAADPP
PEDCVTTIVSMGFSRDQALKALRATNNSLERAVDWIFSHIDDLDAEAAMDISEGRSAADSISESVPVGP
VRDGPVKYQLFAFISHMGTSTMCGHYVCHIKKEGRWVIYNDQKVCASEKPPKDLGIYIFYQRVAS

TRTRPLEQKLISEEDLAANDILDYKDDDDK

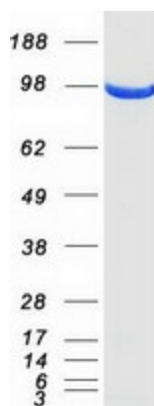
Tag:	C-Myc/DDK
Predicted MW:	93.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

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_003472
Locus ID:	8078
UniProt ID:	P45974
RefSeq Size:	3130
Cytogenetics:	12p13.31
RefSeq ORF:	2505
Synonyms:	ISOT
Summary:	Ubiquitin (see MIM 191339)-dependent proteolysis is a complex pathway of protein metabolism implicated in such diverse cellular functions as maintenance of chromatin structure, receptor function, and degradation of abnormal proteins. A late step of the process involves disassembly of the polyubiquitin chains on degraded proteins into ubiquitin monomers. USP5 disassembles branched polyubiquitin chains by a sequential exo mechanism, starting at the proximal end of the chain (Wilkinson et al., 1995 [PubMed 7578059]).[supplied by OMIM, Mar 2010]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified USP5 protein (Cat# [TP302624]). The protein was produced from HEK293T cells transfected with USP5 cDNA clone (Cat# [RC202624]) using MegaTran 2.0 (Cat# [TT210002]).