

Product datasheet for TP526485

Usp37 (NM_176972) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ubiquitin specific peptidase 37 (Usp37), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226485 protein sequence Red=Cloning site Green=Tags(s)

MSPLKIYGPIRIRSMQTGITKWKEGSFEIVEKDNRVSLLVHYNTGGIPRVFQLSHNIKNVLRPSGIKQS
RLMLTLQDNSFLSIDKVPSKDAEEMRLFLDAVHQNRLHAAMKASQSGSFGTILGSRTSQKETNRQLSYS
DNQASSKRGSLKDEIPFRKVLGSPGRPIKVTGGGMVTRTIPSLTLTSTPLRSGLLENRTEKRKRM
LSGSELTEDYPKENDSSSNKAMTDPSRKYLTSCKREKQLSLKQAEENRTSGLLPLQSSSFYGRAGSKDY
SSGVTNLDRCNVSSQTPSAKRSLGFLPQPPTPLSVKKLRNVDYAGWNRPRVPLSSHQQQLQGFSNLGNTC
YMNAILQSLFSLQSFANDLLKQSIWKKIPFNALIRRFANLLIKKIDICNSETKKELLKVKNAISATAER
FSGYVQNDAAHEFLSQCLDQLKEDMEKLNKTWKTEPVLGEENLPDTSATKVFTCPVITNLEFEVQHSIICK
ACGETIPKREQFNDLSIDLPRRKKPLPPRSIQDSDLFFRAEELEYSCEKCGGKCALVRHKFNRLPRVLI
LHLKRYSFNVALSLNKLGGQVVIIPRFLTLASHCTESTKPPVTLGWSAPVAISRPLRACQMVNSCITSPS
APSKKFTFKSKSSVTSCLDSDSEDELKRSVWLSQRLCDLPGNEQYQEDVEKDLKCRLEPGKAELENSGF
DRMSEEEVLAAVLEISRREASPVLSPEDDDKPTSSPDTGFAEDDIPEMPENPDAMEIEKSKTITEPGPAS
FTEITKDCDENKENKTPEGSQGEVDWLQQYDVDREEREEQELQQALAQSLQEQAWEQKEDDDLKRATELS
LQEFNNSFLDSLGSDEDSGNEVDVDMYEAEEELKRNAETGALPHSYRLISVSVSHIGSTSSSGHYISD
VYDIKKQAWFTYNDLEVSKIQAQVSDRDRSGYIFFYMHKEIFDELLETEKTSQALSMEVGRAARQAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	110 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



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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 after receiving vials.
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_795946
Locus ID:	319651
UniProt ID:	Q8C0R0 , A0A0R4J2D0
RefSeq Size:	7196
Cytogenetics:	1 C3
RefSeq ORF:	2940
Synonyms:	4932415L06Rik; C330008N13Rik
Summary:	Deubiquitinase that antagonizes the anaphase-promoting complex (APC/C) during G1/S transition by mediating deubiquitination of cyclin-A (CCNA1 and CCNA2), thereby promoting S phase entry. Specifically mediates deubiquitination of 'Lys-11'-linked polyubiquitin chains, a specific ubiquitin-linkage type mediated by the APC/C complex. Also mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains in vitro. Phosphorylation at Ser-628 during G1/S phase maximizes the deubiquitinase activity, leading to prevent degradation of cyclin-A (CCNA1 and CCNA2). Plays an important role in the regulation of DNA replication by stabilizing the licensing factor CDT1.[UniProtKB/Swiss-Prot Function]