

Product datasheet for **TP323407M**

USP37 (NM_020935) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin specific peptidase 37 (USP37), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223407 representing NM_020935 Red=Cloning site Green=Tags(s)

MSPLKIHGPIRIRSMQTGITKWKEGSFEIVEKENKVSLVWHYNTGGIPRIFQLSHNIKNVVLPSGAKQS
RLMLTLQDNSFLSIDKVPSKDAEEMRLFLDAVHQNRLPAAMKPSQSGSGFMAILGSRYSQKETSRLSYS
DNQASAKRGSLETKDDIPFRKVLGNPGRGSIKTAVAGSGIARTIPSLTSTSTPLRSGLLENRTEKRKRMI
TGSELNEDYPKENDSSSNKAMTDPSRKYLTSREKQLSLKQSEENRTSGLLPLQSSSFYGSRAGSKEHS
SGGTNLDRTNVSSQTPSAKRSLGFLPQPVPVLSVKKLRNCQDYTGWNKPRVPLSSHQQQLQGFSNLGNTC
YMNAILQSLFSLQSFANDLLKQGIPWKKIPLNALIRRFHLLVKKDICNSETKKDLLKKVKNASATAER
FSGYMQNDAHEFLSQCLDQLKEDMEKLNKTWKTEPVSGEENSPDISATRAYTCPVITNLEFEVQHSIICK
ACGEIIPKREQFNDLSIDLPRRKKPLPPRSIQDSLDFRAEELEYSCEKCGGKCALVRHKFNRLPRVLI
LHLKRYSFNVALSLNKGQVVIIPRYLTLSSHCTENTKPPFTLGWSAHMAISRPLKASQMVNSCITSPS
TPSKKFTFKSKSLALCLDSDSEDELKRSVALSQRCEMLGNEQQQEDLEKDSKLCPIEPDKSELENSGF
DRMSEELLAAVLEISKRDASPSLSHEDDDKPTSSPDTGFAEDDIQEMPENPDTMETEKPKTITELDPAS
FTEITKDCDENKENKTPEGSQGEVDWLQQYDMEREREQELQQALAQSLQEQAWEQKEDDDLKRATELS
LQEFNNSFVDALGSDSDSGNEDVDFMEYTEAEAEELKRNAETGNLPHSYRLISVSHIGSTSSSGHYISD
VYDIKKQAWFTYNDLEVSKIQEAAVQSDRDRSGYIFFYMHKEIFDELLETEKNSQSLSTEVGKTRQAS

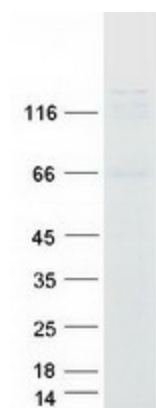
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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.
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_065986
Locus ID:	57695
UniProt ID:	Q86T82 , A0A024R416
RefSeq Size:	8015
Cytogenetics:	2q35
RefSeq ORF:	2937
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) (PubMed:21596315). Plays an important role in the regulation of DNA replication by stabilizing the licensing factor CDT1 (PubMed:27296872).[UniProtKB/Swiss-Prot Function]
Protein Families:	Protease

Product images:

Coomassie blue staining of purified USP37 protein (Cat# [TP323407]). The protein was produced from HEK293T cells transfected with USP37 cDNA clone (Cat# [RC223407]) using MegaTran 2.0 (Cat# [TT210002]).