

Product datasheet for **TP300337**

USP14 (NM_005151) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase) (USP14), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200337 protein sequence Red =Cloning site Green =Tags(s)

MPLYSVTVKWKGEKFEFEGVELNTDEPPMVFKAQLFALTGVQPARQKVMVKGGLKDDDWGNIKIKNGMTLL
MMGSADALPEEPSAKTVFVEDMTEEQLASAMELPCGLTNLGNTCYMNATVQCIRSVPELKDALKRYAGAL
RASGEMASAQYITAALRDLFDSMDKTSSSIPPIILLQFLHMAFPQFAEKGEQGQYLQQDANECWIQMMRV
LQQKLEAIEDDSVKETDSSSASAATPSKKKSLIDQFFGVFETTMKCTESEEEVTKGKENQLQLSCFIN
QEVKYLFTGLKLRLQEEITKQSPTLQRNALYIKSSKISRLPAYLTIQMVRFFYKEKESVNAKVLKDVKFP
LMLDMYELCTPELQKEMVSFRSKFKDLEDKKNVQNPNTSDKKSSPQKEVKYEPFSFADDIGSNNGGYDL
QAVLTHQGRSSSSGHYVSWVKRKQDEWIKFDDDKVSIPTPEDILRLSGGGDWHIAYVLLYGPRRVEIMEE
ESEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

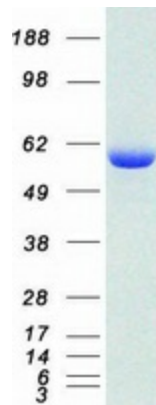
Tag:	C-Myc/DDK
Predicted MW:	55.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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_005142
Locus ID:	9097
UniProt ID:	P54578
RefSeq Size:	4156
Cytogenetics:	18p11.32
RefSeq ORF:	1482
Synonyms:	TGT
Summary:	This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitylated proteins. Mice with a mutation that results in reduced expression of the ortholog of this protein are retarded for growth, develop severe tremors by 2 to 3 weeks of age followed by hindlimb paralysis and death by 6 to 10 weeks of age. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified USP14 protein (Cat# TP300337). The protein was produced from HEK293T cells transfected with USP14 cDNA clone (Cat# [RC200337]) using MegaTran 2.0 (Cat# [TT210002]).