

Product datasheet for PH300337

USP14 (NM_005151) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	USP14 MS Standard C13 and N15-labeled recombinant protein (NP_005142)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200337
Predicted MW:	56.1 kDa
Protein Sequence:	>RC200337 protein sequence Red=Cloning site Green=Tags(s)

MPLYSVTVKWGKEKFEGLVNTDEPPMVFKALFALTGVQPARQKVMVKGGLKDDDWGNIKIKNGMTLL
MMGSADALPEEPSAKTVFVEDMTEEQLASAMELPCGLTNLGNTCYMNATVQCIRSVPELKDALKRYAGAL
RASGEMASAYITAALRDLFDSMDKTSSSIPPIILLQFLHMAFPQFAEKGEQGQYLQQDANECWIQMMRV
LQQKLEAIEDDSVKETDSSSASAATPSKKKSLIDQFFGVFEFETTMKCTESEEEVTKGKENQLQLSCFIN
QEVKYLFTGLKRLQEEITKQSPTLQRNALYIKSSKISRLPAYLTIQMVRFYFKEKESVNAKVLKDVKFP
LMLDMYELCTPELQEKMVSFRSKFKDLEDKKNQNPNTSDKKSSPQKEVKYEPFSFADDIGSNCCGYDDL
QAVLTHQGRSSSSGHYVSWVKRQDEWIKFDDDKVSIPTPEDILRLSGGGDWHIAYVLLYGPRRVEIMEE
ESEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005142
RefSeq Size:	4156
RefSeq ORF:	1482



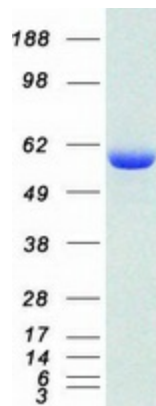
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Synonyms: TGT
Locus ID: 9097
UniProt ID: [P54578](#)
Cytogenetics: 18p11.32

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]).