

Recombinant Human USP14 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. USP14-4165H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	USP14 MS Standard C13 and N15-labeled recombinant protein (NP_005142) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 ubiquitinated 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.
Molecular Mass	56.1 kDa
AA Sequence	MPLYSVTVKVGKEKFEGVELNTDEPPMVFKAQLFALTGVQPARQKVMVKGGLTKD DDWGNIIKIKNGMTLLMMGSADALPEEPSAKTVFVEDMTEEQLASAMELPCGLTNLG NTCYMNATVQCIRSVPELKDALKRYAGALRASGEMASAQYITAALRDLFDSMDKTSS SIPPIILLQFLHMAFPQFAEKGEQGQYLQQDANECWIQMMRVLQQKLEAIEDDSVKE TDSSSASAATPSKKKSLIDQFFGVFETTMKCTESEEVEVTKGKENQLQLSCFINQE

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VKYLFTGLKLRLQEEITKQSPTLQRNALYIKSSKISRLPAYLTIQMVRFFYKEKESVNA
KVLKDVKFPLMLDMYELCTPELQEKMVSFRSKFKDLEDKKVNQQPNTSDKKSSPQK
EVKYEPFSFADDIGSNNGYYDLQAVLTHQGRSSSSGHYVSWVKRKQDEWIKFDD
DKVSIVTPEDILRLSGGGDWHIAYVLLYGPRRVEIMEEESQTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [USP14 ubiquitin specific peptidase 14 \[Homo sapiens \(human\) \]](#)

Official Symbol [USP14](#)

Synonyms USP14; ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase); ubiquitin specific protease 14 (tRNA guanine transglycosylase); ubiquitin carboxyl-terminal hydrolase 14; TGT; ubiquitin thioesterase 14; deubiquitinating enzyme 14; ubiquitin thioesterase 14; ubiquitin-specific processing protease 14; ubiquitin-specific-processing protease 14; tRNA-guanine transglycosylase, 60-kD subunit; ubiquitin specific protease 14 (tRNA-guanine transglycosylase);

Gene ID [9097](#)

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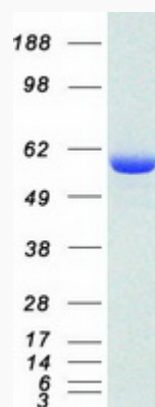
mRNA Refseq [NM_005151](#)

Protein Refseq [NP_005142](#)

MIM [607274](#)

UniProt ID [P54578](#)

SDS-PAGE



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