

# 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

MPLYSVTVKWGKEKFEGVELNTDEPPMVFKAQLFALTGVQPARQKVMVKGGLKD  
DDWGNIKIKNGMTLLMMGSADALPEEPSAKTVFVEDMTEEQLASAMELPCGLTNLG  
NTCYMNATVQCIRSVPELKDALKRYAGALRASGEMASAQYITAALRDLFDSMDKTSS  
SIPPIILLQFLHMAFPQFAEKGEQGQYLQQDANECWIQMMRVLQQKLEAIEDDSVKE  
TDSSSASAATPSKKKSLIDQFFGVFETTMKCTESEEEEVTKGKENQLQLSCFINQE

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VKYLFTGLKLRLQEEITKQSPTLQRNALYIKSSKISRLPAYLTIQMVRFFYKEKESVNA  
 KVLKDVKFPLMLDMYELCTPELQEKMVSFRSKFKDLEDKKNVQQPNTSDKKSSPQK  
 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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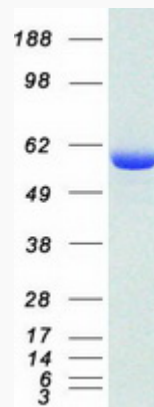
mRNA Refseq [NM\\_005151](#)

Protein Refseq [NP\\_005142](#)

MIM [607274](#)

UniProt ID [P54578](#)

SDS-PAGE



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