Recombinant Human USP14

Cat. No. USP14-692H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human USP14 isproduced inE. coli.
Species	Human
Source	E.coli
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 ubiquitinylated 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.
Storage	-80°C.

GENE INFORMATION

Gene Name	USP14 ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase) [Homo sapiens]
Synonyms	USP14; ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase); deubiquitinating enzyme 14; tRNA-guanine transglycosylase, 60-kD subunit; ubiquitin carboxyl-terminal hydrolase 14; ubiquitin specific protease 14 (tRNA-guanine transglycosylase); ubiquitin thioesterase 14; ubiquitin thiolesterase 14; ubiquitin-

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	specific processing protease 14; ubiquitin-specific-processing protease 14; TGT; EC 3.1.2.15
Gene ID	9097
mRNA Refseq	NM_001037334
Protein Refseq	NP_001032411
MIM	607274
UniProt ID	P54578
Chromosome Location	18p11.32
Function	cysteine-type endopeptidase activity; peptidase activity; proteasome binding; proteasome inhibitor activity; tRNA guanylyltransferase activity; ubiquitin thiolesterase activity; ubiquitin-specific protease activity

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