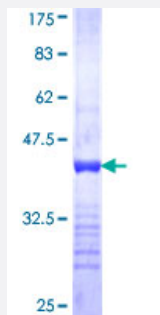


USP14 (Human) Recombinant Protein (Q01)

Catalog # H00009097-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human USP14 partial ORF (NP_005142, 395 a.a. - 494 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PQKEVKYEPFSFADDIGSNNCGYYDLQAVLTHQGRSSSSGHVSWVKRKQDEWIKFDDDKVSM TPEDILRLSGGGDWHIAYVLLYGPRRVEIMEESEQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — USP14

Entrez GeneID [9097](#)

GeneBank Accession# [NM_005151](#)

Protein Accession# [NP_005142](#)

Gene Name USP14

Gene Alias TGT

Gene Description ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)

Omim ID [607274](#)

Gene Ontology [Hyperlink](#)

Gene 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 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. [provided by RefSeq]

Other Designations deubiquitinating enzyme 14|tRNA-guanine transglycosylase, 60-kD subunit|ubiquitin carboxyl-terminal hydrolase 14|ubiquitin specific protease 14|ubiquitin specific protease 14 (tRNA-guanine transglycosylase)|ubiquitin thiolesterase 14|ubiquitin-specific pr