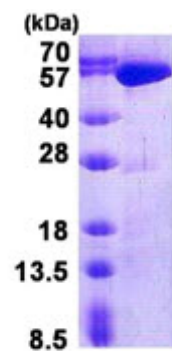


AR50745PU-N

Human USP14 (1-494, His-tag) - Purified

Alternate names:	Deubiquitinating enzyme 14, TGT, Ubiquitin carboxyl-terminal hydrolase 14, Ubiquitin thioesterase 14, Ubiquitin-specific-processing protease 14
Quantity:	0.5 mg
Concentration:	1 mg/ml (determined by Bradford assay)
Background:	USP14 is 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.
Uniprot ID:	P54578
NCBI:	NP_005142
GeneID:	9097
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT
Description:	Recombinant human USP14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMPLYSVT VKWGKEKFEG VELNTDEPPM VFKAQLFALT GVQPARQKVM VKGGTLKDDD WGNIIKNGM TLLMMGSADA LPEEPSAKTV FVEDMTEEQL ASAMELPCGL TNLGNTCYMN ATVQCIRSVP ELKDALKRYA GALRASGEMA SAQYITAALR DLFDSMDKTS SSIPPIILLQ FLHMAFPQFA EKGEQGQYLQ QDANECWIQM MRVLQKKLEA IEDDSVKETD SSSASAATPS KKKSLIDQFF GVEFETTMKC TESEEEVTK GKENQLQLSC FINQEVKYL F TGLKLRLQEE ITKQSPTLQR NALYIKSSKI SRLPAYLTIQ MVRFFYKEKE SVNAKVLKDV KFPLMLDYE LCTPELQEKM VSFRSKFKDL EDKKNVQQPN TSDKKSSPQK EVKYEPFSFA DDIGSNNGCY YDLQAVLTHQ GRSSSSGHYV SWVKRKQDEW IKFDDDKVSI VTPEDILRLS GGGDWHIAYV LLYGPRRVEI MEESEQ Molecular weight: 58.5 kDa (517aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Shinji S, Naito Z, et al. (2009). Oncol Rep. 15(3):539-43. Mines MA, Goodwin JS, et al. (2009). J Biol Chem. 284(9):5742-52.

Pictures:



15% SDS-PAGE (3ug)