

32-5202: Recombinant Human Ubiquitin Specific Peptidase 14

Alternative Name : TGT, Ubiquitin thioesterase 14, Deubiquitinating enzyme 14, Ubiquitin thioesterase 14, Ubiquitin-specific-processing protease 14.

Description

Source : Escherichia Coli. USP14 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 517 amino acids (1-494 a.a) and having a molecular mass of 58.5kDa. USP14 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. USP14 belongs to the ubiquitin-specific processing (UBP) family of proteases which is a deubiquitinating enzyme (DUB) containing His and Cys domains. USP14 placed in the cytoplasm and cuts the ubiquitin from ubiquitin-fused precursors and ubiquitinated proteins. a mutation which results in reduced expression of the ortholog of USP14 in mice inhibits growth, develop severe tremors by 2 to 3 weeks of age followed by paralysis and death by 6 to 10 weeks of age.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	USP14 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SGLVPRGSH GSMPLYSVT VKWGKEKFEG VELNTDEPPM VFKAQLFALT GVQPARQKVM VKGGTLKDDD WGNIKIKNGM TLLMMGSADA LPEEPSAKTV FVEDMTEEQL ASAMELPCGL TNLGNTCYMN ATVQCIRSV ELKDALKRYA GALRASGEMA SAQYITAALR DLFDSMDKTS SSIPPIILLQ FLHMAFPQFA EKGEQGQYLQ QDANECWIQM MRVLQQKLEA IEDDSVKETD SSSASAATPS KKKSLIDQFF GVEFETTMKC TESEEEVTK GKENQLQLSC FINQEVKYL F TGLKLRLEE ITKQSPTLQR NALYIKSSKI SRLPAYLTIQ MVRFFYKEKE SVNAKVLKDV KFPLMLDME LCTPELQEKM VSFRSKFKDL EDKKNVQQPN TSDKKSSPQK EVKYEPFSA DDIGSNNGY YDLQAVLTHQ GRSSSSGHYV SWVKRQDEW IKFDDDKVSI VTPEDILRLS GGGDWHIAYV LLYGPRRVEI MEESEQ.

