## 32-5202: Recombinant Human Ubiquitin Specific Peptidase 14

Alternative Name :
TGT,Ubiquitin thioesterase 14,Deubiquitinating enzyme 14,Ubiquitin thioesterase 14,Ubiquitin-specificprocessing 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 58.5 kDa . 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 ubiquitinylated 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 нg |
| :---: | :---: |
| Purification | Greater than $90.0 \%$ as determined by SDS-PAGE. |
| Content : | USP14 protein solution ( $1 \mathrm{mg} / \mathrm{ml}$ ) containing 20 mM Tris-HCl buffer ( pH 8.0 ), $0.2 \mathrm{M} \mathrm{NaCl}, 20 \%$ glycerol and 1 mM DTT. |
| Storage condition : | Store at $4^{\circ} \mathrm{C}$ if entire vial will be used within $2-4$ weeks. Store, frozen at $-20^{\circ} \mathrm{C}$ 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 SSGLVPRGSH MGSMPLYSVT VKWGKEKFEG VELNTDEPPM VFKAQLFALT GVQPARQKVM VKGGTLKDDD WGNIKIKNGM TLLMMGSADA LPEEPSAKTV FVEDMTEEQL ASAMELPCGL TNLGNTCYMN ATVQCIRSVP ELKDALKRYA GALRASGEMA SAQYITAALR DLFDSMDKTS SSIPPIILLQ FLHMAFPQFA EKGEQGQYLQ QDANECWIQM MRVLQQKLEA IEDDSVKETD SSSASAATPS KKKSLIDQFF GVEFETTMKC TESEEEEVTK GKENQLQLSC FINQEVKYLF TGLKLRLQEE ITKQSPTLQR NALYIKSSKI SRLPAYLTIQ MVRFFYKEKE SVNAKVLKDV KFPLMLDMYE LCTPELQEKM VSFRSKFKDL EDKKVNQQPN TSDKKSSPQK EVKYEPFSFA DDIGSNNCGY YDLQAVLTHQ GRSSSSGHYV SWVKRKQDEW IKFDDDKVSI VTPEDILRLS GGGDWHIAYV LLYGPRRVEI MEEESEQ. |



