32-2933: YOD1 Recombinant Protein

Alternative Name : DUBA8,OTUD2,PRO0907,RP11-164O23.1,Ubiquitin thioesterase OTU1,DUBA-8,HIN-7,HsHIN7,OTU domain-containing protein 2.

Description

Source : Escherichia Coli. YOD1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 371 amino acids (1-348) and having a molecular mass of 40.7kDa.YOD1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. YOD1 is a Hydrolase which removes conjugated ubiquitin from proteins and takes part in endoplasmic reticulum-associated degradation (ERAD) for misfolded lumenal proteins. YOD1 is a highly conserved deubiquitinating enzyme belonging to the ovarian tumor (otubain) family, whose function has yet to be determined in mammalian cells. YOD1 is a component of a multiprotein complex with p97 as its nucleus, proposing a functional link to a pathway responsible for the dislocation of misfolded proteins from the endoplasmic reticulum. YOD1 variant xpression deprived of its deubiquitinating activity compels a halt on the dislocation reaction, as concluded by the stabilization of various dislocation substrates.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The YOD1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% 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 SSGLVPRGSH MGSMFGPAKG RHFGVHPAPG FPGGVSQQAA GTKAGPAGAW PVGSRTDTMW RLRCKAKDGT HVLQGLSSRT RVRELQGQIA AITGIAPGGQ RILVGYPPEC LDLSNGDTIL EDLPIQSGDM LIIEEDQTRP RSSPAFTKRG ASSYVRETLP VLTRTVVPAD NSCLFTSVYY VVEGGVLNPA CAPEMRRLIA QIVASDPDFY SEAILGKTNQ EYCDWIKRDD TWGGAIEISI LSKFYQCEIC VVDTQTVRID RFGEDAGYTK RVLLIYDGIH YDPLQRNFPD PDTPPLTIFS SNDDIVLVQA LELADEARRR RQFTDVNRFT LRCMVCQKGL TGQAEAREHA KETGHTNFGE V.