

32-3583: COPS7A Recombinant Protein

Alternative Name : COP9 Signalosome Subunit 7A, COPS7A, Dermal Papilla-Derived Protein 10, CSN7A, SGN7a, JAB1-Containing Signalosome Subunit 7a, COP9 Complex Subunit 7a, COP9 Constitutive Photomorphogenic Homolog Subunit 7A, COP9 Signalosome Complex Subunit 7a, DERP10,

Description

Source : Escherichia Coli. COPS7A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 298 amino acids (1-275) and having a molecular mass of 32.7 kDa. COPS7A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. COP9 Signalosome Subunit 7A (COPS7A) is a component of the COP9 signalosome complex (CSN), a complex involved in a variety of cellular and developmental processes. The CSN complex is a vital regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, thus leading to decrease in the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. This complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, probably through its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN stimulates and protects degradation by the Ubl system, respectively.

Product Info

Amount : 20 µg
Purification : Greater than 80.0% as determined by SDS-PAGE.
Content : The COPS7A solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
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 MGSMSAEVKV TGQNQEQLL LAKSAKGAAL ATLIHQVLEA PGVYVFGELL DMPNVRELAE SDFASTFRLL TVFAYGTYAD YLAEARNLPP LTEAQKNKLR HLSVVTAAK VKCIPYAVLL EALALRNVRQ LEDLVIEAVY ADVLRGSLDQ RNQRLEVDYS IGRDIQRQDL SAIARTLQEW CVGCEVVLSG IEEQVSRANQ HKEQQLGLKQ QIESEVANLK KTIKVTAAAA AAATSQDPEQ HLTRELREPAP GTNQRQPSKK ASKGKGLRGS AKIWSKSN.

