

Product information



COPS7A, 1-275aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2652

Full name: COP9 signalosome complex subunit 7a

NCBI Accession No.: NP_001157566

Synonym: CSN7A

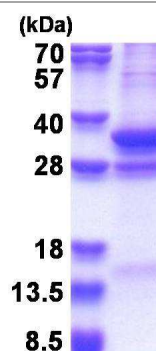
Description: COPS7A is a component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. Recombinant human COPS7A protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight: 32.7 kDa (298aa)

Purity: > 80% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMSAEVKV TGQNQEQFLL LAKSAKGAAL ATLHQVLEA PGVYVFGELL DMPNVRELAE SDFASTFRLL
TVFAYGTYAD YLAEARNLPP LTEAQKNKLR HLSVVTLA AK V KCI PYAVLL EALALRNVRQ LEDLVI EAVY ADVLRGSLDQ RNQRLEVDYS
IGRDIQRQDL SAIARTLQEW CVGCEVLSG IEEQVSRANQ HKEQQLGLKQ QIESEVANLK KTIKVT TAAA AAATSQDPEQ HLT ELREPAP
GTNQRQPSKK ASKGKGLRGS AKIWSKSN

General references:

Wolf DA, Zhou C, *et al.* (2003). *Nat Cell Biol.* 5(12):1029-33.

Wei N, Tsuge T, *et al.* (1998). *Curr Biol.* 8(16):919-22.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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