

# Recombinant human COP9 signalosome complex subunit 7a

Catalog No: #AP71576

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Package Size: #AP71576-1 20ug #AP71576-2 100ug #AP71576-3 1mg

## Description

Product Name	Recombinant human COP9 signalosome complex subunit 7a
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-275aaSequence Info:Full Length
Other Names	Dermal papilla-derived protein 10JAB1-containing signalosome subunit 7a
Accession No.	Q9UBW8
Uniprot	Q9UBW8
GeneID	50813;
Calculated MW	46.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SAEVKVTGQNQEQLLLAKSAKGAALATLIHQVLEAPGVYVFGELLDMPNVRELAESDFASTFRLLTVFAYGTY ADYLAEARNLPPLTEAQKNKLRHLSVVTLAAKVKCIPYAVLLEALALRNVRQLEDLVIEAVYADVLRGSLDQRN QRLEVDYSIGRDIQRQDLSAIARTLQEWCVGCEVVLSGIEEQVSRANQHKEQQLGLKQQIESEVANLKKTIKVT TAAAAAATSQDPEQHLTELREPAPGTNQRQPSKKASKGKGLRGSAKIWSKSN
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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 syst, respectively.

## References

Association of the mammalian proto-oncoprotein Int-6 with the three protein complexes eIF3, COP9 signalosome and 26S proteasome.Hoareau Alves K., Bochard V., Rety S., Jalinot P.FEBS Lett. 527:15-21(2002)Research Topic:Cell Biology

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Note: This product is for in vitro research use only