9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

COPS7A Human

COP9 Signalosome Subunit 7A Human Recombinant
RCP0500

Product Overview

Name	COPS7A Human
Description	
COP9 Signalosome Subunit 7A Human Recombinant	
Accession (Primary)	Q9UBW8
Synonyms	
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, Signalosome Subunit 7a.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The COPS7A solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 80.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MGS MSAEVKV TGQNQEQFLL LAKSAKGAAL ATLIHQVLEA PGVYVFGELL DMPNVRELAE SDFASTFRLL TVFAYGTYAD YLAEARNLPP LTEAQKNKLR HLSVVTLAAK VKCIPYAVLL EALALRNVRQ LEDLVIEAVY ADVLRGSLDQ RNQRLEVDYS IGRDIQRQDL SAIARTLQEW CVGCEVVLSG IEEQVSRANQ HKEQQLGLKQ QIESEVANLK KTIKVTTAAA AAATSQDPEQ HLTELREPAP GTNQRQPSKK ASKGKGLRGS AKIWSKSN.

Precautions

COPS7A Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9UBW8)