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Datasheet for ABIN7563492
COPS2 Protein (AA 1-443) (His tag)

Overview

Quantity:	1 mg
Target:	COPS2
Protein Characteristics:	AA 1-443
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COPS2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Cops2 Protein expressed in mammalian cells.
Sequence:	MSDMEDDFMC DDEEDYDLEY SEDSNSEPNV DLENQYNSK ALKEDDPKAA LSSFQKVLEL EGEKGEWGFK ALKQMIKINF KLTNFPMMN RYKQLLYIR SAVTRNYSEK SINSILDYIS TSKQMDLLQE FYETTLEALK DAKNDRLWFK TNTKLGKLYL EREEYGKLQK ILRQLHQSCQ TDDGEDDLKK GTQLLEIYAL EIQMYTAQKN NKKLKALYEQ SLHIKSAIPH PLIMGVIREC GGKMHLREGE FEKAHTDFFE AFKNYDESGS PRRTTCLKYL VLANMLMKSG INPFDSQEAK PYKNDPEILA MTNLVSAYQN NDITEFEKIL KTNHSNIMDD PFIREHIEEL LRNIRTQVLI KLIKPYTRIH IPFISKELNI DVADVESLLV QCILDNTIHG RIDQVNQLLE LDHQKRGGAR YTALDKWTNQ LNSLNQAVVS KLA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

COPS2

Alternative Name:

Cops2 ([COPS2 Products](#))

Background:

COP9 signalosome complex subunit 2 (SGN2) (Signalosome subunit 2) (Alien homolog) (JAB1-containing signalosome subunit 2) (Thyroid receptor-interacting protein 15) (TR-interacting protein 15) (TRIP-15),FUNCTION: Essential 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, c-jun/JUN, IκappaBα/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. Involved in early stage of neuronal differentiation via its interaction with NIF3L1. {ECO:0000269|PubMed:11967155, ECO:0000269|PubMed:12522100, ECO:0000269|PubMed:12972599}.

Target Details

Molecular Weight:	51.6 kDa
UniProt:	P61202
Pathways:	Cell Division Cycle

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months