

## COPS2 Protein, Danio rerio, Recombinant (His)

## General Information

Synonyms: cops2;Signalosome subunit 2;csn2;COP9 signalosome complex subunit 2

Protein Construction: 1-443 aa

Species: Danio rerio (Zebrafish)

Expression Host: P. pastoris (Yeast)

Accession: Q6IQT4

Molecular Weight: 53.6 kDa (predicted)

AA Sequence:

MSDMEDDFMCDDEEDYDLEYSNSENPNVDLENQYYNSKALKEDDPKAAALSSFQKVLELEGEKGEWGFK  
ALKQMIKINFKLTNFPMMNRYKQLTYIRSAVTRNYSEKSINSILDYISTSKQMDLLQEFYETTLEALKDAKND  
RLWFKTNTKLGKLYLEREEFGKLGKILRQLHQSCQTDDGEDDLKKGTLLEIYALEIQMYTAQKNNKLLKALY  
EQSLHIKSAIPHPLIMGVIRECGGKMHLEGEFEKAHTDFFFAFKNYDESGSPRRTTCLKYLVLANMLMKSGIN  
PFDSQEAKPYKNDPEILAMTNLVSAYQNNIDITEFEKILKTNHSNIMDDPFIREHIEELLRNIRTQVLIKLIKPYTRI  
HIPFISKELNIDVADVESLLVQCILDNTINGRIDQVNQLLELDHQKRGGARYTALDKWTNQLNSLNQAIVSKLA

## QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

## Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

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

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by mediating the deneddylation of the cullin subunits of E3 ligase complexes, leading to modify the Ubl ligase activity.

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