

Recombinant Zebrafish COPS2 Protein (1-443 aa), His-tagged

Cat. No. COPS2-2283Z Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish (<i>Danio rerio</i>) (<i>Brachydanio rerio</i>) COPS2 Protein (1-443 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Zebrafish
Source	Yeast
ProteinLength	1-443 aa
Description	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 E3 ligase complexes, leading to modify the Ubl ligase activity.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	53.6 kDa
AA Sequence	MSDMEDDFMCDDEEDYDLEYSEDSNSEPNVDLENQYYNSKALKEDDPKAALSSFQ KVLELEGEKGEWGFKALKQMIKINFKLTNFPMMNRYKQLLYIRSAVTRNYSEKSIN SILDYISTSKQMDLLQEFYETTLEALKDAKNDRLWFKTNTKLGKLYLEREEFGKLQKIL RQLHQSCQTDDGEDDLKKGQTQLLEIYALEIQMYTAQKNNKKLKALYEQSLHIKSAIPH PLIMGVIRECGGKMHLEGEFEKAHTDFFEAFKNYDESGSPRRTTCLKYLVLANML MKSGINPFDSQEAKPYKNDPEILAMTNLVSAYQNNDITEFEKILKTNHSNIMDDPFIRE

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HIEELLRNIRTQVLIKLIKPYTRIHIPFISKELNIDVADVESLLVQCILDNTINGRIDQVNQL
LELDHQKRGGARYTALDKWTNQLNSLNQAIVSKLA

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [cops2 COP9 signalosome subunit 2 \[Danio rerio \(zebrafish\) \]](#)

Official Symbol [COPS2](#)

Synonyms [cops2](#); [zgc:86624](#); [wu:fc05f05](#); [wu:fc06g10](#); [wu:fc60f04](#); [wu:fl94f12](#);

Gene ID [415145](#)

mRNA Refseq [NM_001002055](#)

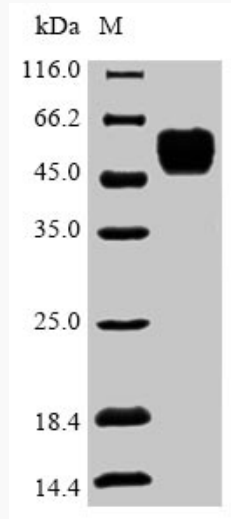
Protein Refseq [NP_001002055](#)

UniProt ID [Q6IQT4](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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