

Recombinant Human FYCO1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FYCO1-5053H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FYCO1 MS Standard C13 and N15-labeled recombinant protein (NP_078789) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that contains a RUN domain, FYVE-type zinc finger domain and Golgi dynamics (GOLD) domain. The encoded protein plays a role in microtubule plus end-directed transport of autophagic vesicles through interactions with the small GTPase Rab7, phosphatidylinositol-3-phosphate (PI3P) and the autophagosome marker LC3. Mutations in this gene are a cause of autosomal recessive congenital cataract-2 (CATC2).
Molecular Mass	167 kDa
AA Sequence	MASTNAESQLQRIIRDLQDAVTELSKEFQEAGEPITDDSTSLHKFSYKLEYLLQFDQK EKATLLGNKKDYWDYFCACLAKVKGANDGIRFVKSISELRTSLGKGRAFIRYSLVHQ RLADTLQQCFMNTKVTSWYYARSPFLQPKLSSDIVGQLYELTEVQFDLASRGFDL DAAWPTFARRTLTTGSSAYLWKPPSRSSSMSSLVSSYLQTQEMVSNFDLNSPLNNE ALEGFDEMRLDQLEVREKQLRERMQQLDRENQELRAAVSQQGEQLQTERERG RTAAEDNVRLTCLVAELQKQWEVTQATQNTVKELQTCLQGLELGAAEKEEDYHTAL RRLESMQLQPLAQELEATRDSLDDKKNQHLASFPGWLAMAQQKADTASDTKGRQEPIP

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SDAAQEMQELGEKLQALERERTKVVEEVRQQSAQLEQLVKELQKEDARASLERLV
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GPELPVAGEKNEALVPVNSSLQEAWGKPEEEQRLQEAQLDDTKVQEGSQEEELR
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RQVAGLQQEKESLQEKLKAAKAAAGSLPGLQAQLAQAEQRAQSLQEAAHQELNTL
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FQKLSEGPSPDSSSGSGTSQGEPSPALSPASPGPQATGGQGANTDYRPPDDAVFD
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LLKSGELMIKVPLTVDEIASFGEGSRELFVRSSTYSLIPITVAEAGLTISWWFSSDPKSI
SFSVVFQEAEDTPLDQCKVLIPTRCNSHKENIQGQLKVRTPGIYMLIFDNTFSRFVS
KKVFYHLTVDRPVIYDGSDFLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FYCO1 FYVE and coiled-coil domain containing 1 [Homo sapiens (human)]

Official Symbol FYCO1

Synonyms

FYCO1; FYVE and coiled-coil domain containing 1; FYVE and coiled-coil domain-containing protein 1; FLJ13335; ZFYVE7; RUN and FYVE domain containing 3; zinc finger FYVE domain-containing protein 7; CATC2; RUFY3; MGC126517; MGC126519; DKFZp779K1152;

Gene ID 79443

mRNA Refseq NM_024513

Protein Refseq NP_078789

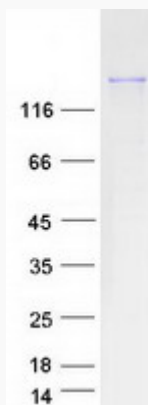
MIM 607182

UniProt ID Q9BQS8

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