

Product datasheet for TP315323

FYCO1 (NM_024513) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FYVE and coiled-coil domain containing 1 (FYCO1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215323 protein sequence Red=Cloning site Green=Tags(s)

MASTNAESQLQRIIRDLQDAVTELSKEFQEAGEPITDDSTSLHKFSYKLEYLLQFDQKEKATLLGNKKDY
WDYFCACLAKVKGANDGIRFVKISISELRTSLGKGRAFIYSLVHQRLADTLQQCFMNTKVTSDWYYARSP
FLQPKLSSDIVGQLYELTEVQFDLASRGFDLDAWPTFARRTLTGSSAYLWKPPSRSSSMSSLVSSYLQ
TQEMVSNFDLNSPLNNEALEGFDEMRLELDQLEVREKQLRERMQQLDRENQELRAAVSQQGEQLQTERER
GRATAEDNVRLTCLVAELQKQWEVTQATQNTVKELQTCQLGELGAAEKEEDYHTALRRLESMLQPLAQE
LEATRDSLDDKKNQHLASFPGLAMAQKADTASDTKGRQEPISDAAQEMQELGEKLQALERERTKVEEV
NRQQAQLEQLVKELQLKEDARASLERLVKEMAPLQEELSGKGQEQADQLWRRLQELLAHTSSWEEELAE
RREKKQQQEEKELLEQEVRSLTRQLQFLETQLAQVVSQHVSDDLEEQKKQLIQDKDHLSSQVGMRLERLAGPP
GPELVPAGEKNEALVPVNSSLQEAWGKPEEEQRGLQEAQLDDTKVQEGSQEEELRQANRELEKELQNVVG
RNQLLEGKLQALQADYQALQQRESAIQGLASLEAEQASIRHLGDQMEASLLAVRKAKEAMKAQMAEKEA
ILQSKEGECQQLREEVEQCQLAEARHRELRAESQCQQQTQLIEVLTAEKGGQGVGPPTDNEARELAAQ
LALSQAQLEVHQGEVQRLQAQVVDLQAKMRAALDDQDKVQSLSMAEAVLREHKTLLVQQKLEQNEALNRA
HVQELLQCSEREGALQEERADEAQQREEELRALQEELSQAACSEEAQLEHAELQEQLHRANTDTAELGI
QVCALTVEKERVEEALACAVQELQDAKEAASREREGLERQVAGLQQEESLQEKLKAACAAAGSLPGLQA
QLAQAEQRAQSLQEAHQELNLTQKFLSAEIMDYQSRLKNAGEECKSLRGQLEEQGRQLQAAEEAVEKLLK
ATQADMGEKLSCTSNHLAECQAAMLRKDKKEGAALREDLERTQKELEKATTKIQEYNNKLCQEVNTRERND
QKMLADLDDLNRTKKYLEERLIELLRDKDALWQKSDALEFQQKLSAEERWLGDTEANHCLDCKREFSWMV
RRHHCRCRIFCYCCNNYVLSKHGGKKERCCACRFQKLESGPGSPDSSGSGTSQGEPSALSPASPGP
QATGGQGANTDYRPPDDAVFDIITDEELCQIQESGSSLPETPTETDSDLPNAAEQDTTSTSLTPEDTEDM
PVGQDSEICLLKSGELMIKVPPLTVDEIASFGEGSRELFVRSSTYSLIPITVAEAGLTISWVFSDDPKSIS
FSVVFQEAEDTPLDQCKVLIPTRCNENSHKENIQGQLKVRTPGIYMLIFDNTFSRFVSKKVFYHLTVDRPV
IYDGSDFL

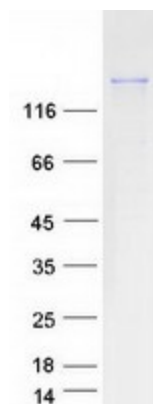
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK



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Predicted MW:	166.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_078789
Locus ID:	79443
UniProt ID:	Q9BQS8
RefSeq Size:	8518
Cytogenetics:	3p21.31
RefSeq ORF:	4434
Synonyms:	CATC2; CTRCT18; RUFY3; ZFYVE7
Summary:	The gene encodes a Rab7 adapter protein that is implicated in the microtubule transport of autophagosomes. The encoded protein contains a RUN domain, a 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), the autophagosome marker LC3, and the kinesin KIF5. Mutations in this gene are associated with inclusion body myositis (IBM) and autosomal recessive congenital cataracts (CATC2). [provided by RefSeq, Aug 2020]

Product images:

Coomassie blue staining of purified FYCO1 protein (Cat# TP315323). The protein was produced from HEK293T cells transfected with FYCO1 cDNA clone (Cat# [RC215323]) using MegaTran 2.0 (Cat# [TT210002]).