

Product datasheet for TP317181M

RUFY1 (NM_025158) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RUN and FYVE domain containing 1 (RUFY1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217181 representing NM_025158 Red =Cloning site Green =Tags(s)

MADREGGCAAGRGRELEPELEPGPGPGSALEPGEEFEIVDRSQLPGPGDLRSATRPRAAEGWSAPILTLA
RRATGNLSASCGSALRAAAGLGGGDSGDGTARAASKCQMMEEERANLMHMMKLSIKVLLQSALSLSGRSLDA
DHAPLQQFFVMEHCLKHGLKVKKSFIGQNKSFPGPLELVEKLCPEASDIATSVRNLPKLTAVGRGRAW
LYLALMQKKLADYLVKVLIDNKHLLSEFYEPEALMMEEEGMVIVGLLVGLNVLNLANLCLKGEDLDSQVGI
DFSLYLKDVQDLGGGKEHERITDVLQKNYVEELNRHLSCTVGDQTKIDGLEKTNSKLQEELSAATDRI
CSLQEEQQQLREQNELIRERSEKSVEITKQDTKVELETYKQTRQGLDEMYSVWVKLKEEKVRLLELEKE
LELQIGMKTEMEIAMKLEKDTHEKQDTLVALRQQLEEVKAINLQMFHKAQNAESSLQQKNEAITSFEGK
TNQVMSSMKQMEERLQHSEARQGAEERSHKLQQLGGRIGALQLQLSHEQCSSLKELKSEKEQRQA
LQRELQHEKDTSSLLRMELQQVEGLKELRELQDEKAEKQKICEEQEQALQEMGLHLSQSKLKMEDIKEV
NQALKGHAWLKDDEATHCRQCEKEFSISRRKHHCRCGHIFCNTCSSNELALPSYKPKVRCVCDSCHTLLL
QRCSSSTAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

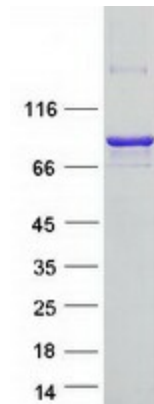
Tag:	C-Myc/DDK
Predicted MW:	79.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_079434
Locus ID:	80230
UniProt ID:	Q96T51
RefSeq Size:	2644
Cytogenetics:	5q35.3
RefSeq ORF:	2124
Synonyms:	RABIP4; ZFYVE12
Summary:	This gene encodes a protein that contains a RUN domain and a FYVE-type zinc finger domain. The encoded protein binds to phosphatidylinositol-3-phosphate (PI3P) and plays a role in early endosomal trafficking, tethering and fusion through interactions with small GTPases including Rab4, Rab5 and Rab14. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]
Protein Pathways:	Endocytosis

Product images:



Coomassie blue staining of purified RUFY1 protein (Cat# [TP317181]). The protein was produced from HEK293T cells transfected with RUFY1 cDNA clone (Cat# [RC217181]) using MegaTran 2.0 (Cat# [TT210002]).