

Product datasheet for TP317181

RUFY1 (NM_025158) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human RUN and FYVE domain containing 1 (RUFY1), transcript variant 1, 20 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
LYLALMQKKLADYLVKVLIDNKHLLSEFYEPEALMMEEEGMVIVGLLVGLNVLNLDANLCLKGEDLDSQVGI
DFSLYLKDVQDLGGGKEHERITDVLQKNYVEELNRHLSCTVGDLDLQTKIDGLEKTNSKLQEELSAATDRI
CSLQEEQQQLREQNELIRERSEKSVEITKQDTKVELETYKQTRQGLDEMYSVWVKLKEEKVRLLELEKE
LELQIGMKTEMEIAMKLEKDTHEKQDTLVALRQQLEEVKAINLQMFHKAQNAESSLQQKNEAITSFEGK
TNQVMSSMKQMEERLQHSEARQGAEEERSHKLQQLGGRIGALQLQLSHEQCSSLKELKSEKEQRQA
LQRELQHEKDTSSLLRMELQQVEGLKELRELQDEKAEKQKICEEQEQALQEMGLHLSQSKLKMEDIKEV
NQALKGHAWLKDDEATHCRQCEKEFSISRRKHHCRCGHIFCNTCSSNELALPSYPKPVVCDSCHTLLL
QRCSSSTAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

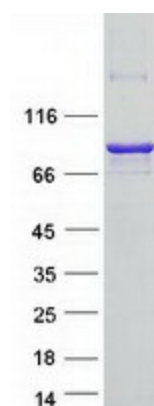
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 79.6 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: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