

Product datasheet for **TP524779**

Ankfy1 (NM_009671) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse ankyrin repeat and FYVE domain containing 1 (Ankfy1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR224779 representing NM_009671
Red=Cloning site **Green**=Tags(s)

MAEEEVAKLEKHLMLLRQEYVKLQKKLAETEKRCTLLAAQANKENSNESFISRLLAIVAGLYEQEQYSDL
KIKVGDRHISAHKFVLAARSDSWSLANLSSTEEIDLSANPEVTMTMLRWIYTDELEFREDDVFLTELMK
LANRFQLQLLRERCEKGVMSLVNVRNCIRFYQTAEELNASTLMNYCAEIIASHWDDLKEDFSSLSAQLL
YKMIKSKTEYPLHKAIKVEREDVFLYLIEMDSQLPGKLNETHNGDLALDLALSRRLESIATTLVSHKA
DVDMVDKNGWSLLHKGIRGDLFASTFLIKNGALVNAATAGAQETPLHLVALYSPKKYSADVMSMAQI
A
EALLQAGANPNMQDSKGRTPHLHSIMARND CVFSQLLQCKQLDLELKDHEGSTALWLAVQYITVSSDQS
V
NPFEDLPVNGTSFDENSFAARLIQRGSNTDAPDVM TGNCLLQRAAGAGNEAAALFLATSGAHANHRNK
W
GETPLHTACRHGLANLTAELLQQGANPNLQTEELPVPKESPVLMSSADSIYLQTPLHMAIAYNHPDWVS
VILEQKANALHATNNLQIIPDFSLKDSRDQTVLGLALWTGMHTIAAQLLGSGASINDTMSDGQTLLHMAI
QRQDSKSALFLEHQADINVRTQDGETALQLAIKHQLPLVDAICTRGADMSPDEKGNPPLWLALASNL
EDIASTLVRHGCDATCWGPGPSGCLQTLLHRAVDENNESTACFLIRSGCDVNSPRQPGTNGEGEEEAR
DQTPHLAASWGLEETVQCCLLEFGANVNAQDAEGRTPVHVVAISNQHSVQIIQLISHPNIELSVRDRQGLTP
FACAMTYKNNKAAEAILKRESGAAEQVDNKG RNFHVAVQNSDIESVLF LISVQANVNSRVQDASKLTPL
HLAVQAGSEIIVRNLLLAGAKVNELTKHRQTALHLAAQQDLPTICSVLLENGVDFAAVDENGNNALHLAV
MHGRLNNIRALLTECTVDAAFNLRGQSPLHILGQYGKENAAAIFDLFLECMPEYPLDKPDAEGNTVLLL
AYMKGANLNCRAIVRSGVRLGVNNNQGVNIFNYQVATKQLLFRLLDMLSKEPPWCDGSNCYECTAKFGV
T
TRKHHCRHCGRLLCHKCSTKEIPIKFDLNKPVRVCNICFDVLTGGVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK



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Predicted MW:	128.7 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
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 after receiving vials.
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_033801
Locus ID:	11736
UniProt ID:	Q810B6
RefSeq Size:	8034
Cytogenetics:	11 B4
RefSeq ORF:	3507
Synonyms:	Ankhzn; mKIAA1255; ZFYVE14
Summary:	Proposed effector of Rab5. Binds to phosphatidylinositol 3-phosphate (PI(3)P). Involved in homotypic early endosome fusion and to a lesser extent in heterotypic fusion of clathrin-coated vesicles with early endosomes. Required for correct endosomal localization. Involved in the internalization and trafficking of activated tyrosine kinase receptors such as PDGFRB. Regulates the subcellular localization of the retromer complex in a EHD1-dependent manner. Involved in endosome-to-Golgi transport and biosynthetic transport to late endosomes and lysosomes indicative for a regulation of retromer complex-mediated retrograde transport (By similarity). Involved in macropinocytosis; the function is dependent on Rab5-GTP. [UniProtKB/Swiss-Prot Function]