

Product datasheet for TP511140

Fig4 (NM_133999) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse FIG4 phosphoinositide 5-phosphatase (Fig4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211140 protein sequence Red=Cloning site Green=Tags(s)

MPTAAPIISSVQKLVLYETRARYFLVGSNHAETKYRVLKIDRTEPKDLWIDDRHVYTQQEVRELLGRL
DLGNRTKMSQKGSGLFRAVSAGVGVFVRFLGYYIVLITKRRKMADIGGHAIYKIEDTSMIYIPNDSV
RISHPDEARYLRIFQNVDLSSNFYSYDLSHSLQYNLTVLRMPLEMLKSETSKACQESFDIFEDEGLI
TQGGSGVFGISSEPYMKYVWNGELLDIIKNTVHRDWLLYIIHGFCGQSKLLIYGRPVYVTLIARRSSRFA
GTRFLKRGANCEGDVANEVETEQILCDASVMSFTAGSYSSVQVRGVSPLFWSQDISTMMPKPPITLDQA
DPFAHVAALHFDQMLQRFQSPHILNLVKEREKRHERILSEELVAAVTYLNQFLPPEHTIVYIPWDMAK
YTKSKLCNVLDRLNVAESVVKKTGFFVNRPDYSILRPDEKWNELGGHVIPTGRLQTGILRTNCVDCL
DRTNTAQFMVGKCALAYQLYSLGLIDKPNLQFDTDAVRLFEELYEDHGDLSLQYGGSQLVHRVKTYRKI
APWTQHSKDIMQTLSTRYSSNAFSDADRQDSINLFLGVFHPTEGKPHLWELPTDFYLHHKNTMSLLPPRRS
YTYWWTPEVVKHLPLPYDEVICANLKKLMVKKFHRWEEEDIHNEFFRPYELSSFDTFCLAMTSSARD
FMPKTVGIDPSPFTVRKPDETGKSVLGNKNTREEAVLQRKTAASAPPPPSEEAVSSSEDDSGTDREDEG
SISQRSTPVKMTDTGDSAKATENVVQPMKEVYGVLSLSEEDHSIYARFVQLGQSQHKQDRGNQQLCS
RCSDGVIKLTPISAFSQDNIEVQPPRVDRKSTEIFQAHIQASQGIMQPLGKEDTAMYREYIRNRYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	103.4 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.



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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_598760
Locus ID:	103199
UniProt ID:	Q91WF7
RefSeq Size:	3278
Cytogenetics:	10 B1
RefSeq ORF:	2724
Synonyms:	A530089I17Rik; A1326867; Sac3
Summary:	The PI(3,5)P2 regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). In vitro, hydrolyzes all three D5-phosphorylated polyphosphoinositide substrates in the order PtdIns(4,5)P2 > PtdIns(3,5)P2 > PtdIns(3,4,5)P3. Plays a role in the biogenesis of endosome carrier vesicles (ECV) / multivesicular bodies (MVB) transport intermediates from early endosomes.[UniProtKB/Swiss-Prot Function]