

Product datasheet for TP507512

Rufy3 (NM_027530) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RUN and FYVE domain containing 3 (Rufy3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207512 protein sequence Red =Cloning site Green =Tags(s)
	MSALTPPTDMPTPTTDKITQAAMETIYLCKFRVSMGDGEWLCLRELDDISLTPDPEPTHEDPNYLMANERM NLMNMAKLSIKGLIESALNLGRTLDSYAPLQQFFVMEHCLKHGLKAKKTFGLQNKSFWGPPELVEKLV PEAAEITASVKDLPGLKTPVGRGRAWLRLALMQKKLSEYMKALINKKELLSEFYEVNALMMEEGAIAG LLVGLNVIDANFCIKGEDLDSQVGVDFSMYLDKGNSSKSGSEGQITAILDQKNYVEELNRHLNATVNN LQTKVDLLEKSNTKLTEELAVANNRIITLQEEMERVKEESSYLLESNRKGPQDRTAEGQALSEARKHLK EETQLRLDVEKELELQISMRQEMELAMKMLEKDVCEKQDALVSLRQQLDDLRLALKHELAFKLQSSDLGVK QKSELNSRLEEKTNQMAATIKQLEQSEKDLVKQAKTLNSAANKLIPKHH
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	53.5 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:	<u>NP_081806</u>
Locus ID:	52822



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UniProt ID:	Q9D394
RefSeq Size:	4097
Cytogenetics:	5 43.77 cM
RefSeq ORF:	1410
Synonyms:	2810428M05Rik; 6330416M07Rik; AW455998; AW538594; D5Bwg0860e; Ripx; Rpipx
Summary:	Plays a role in the generation of neuronal polarity formation and axon growth (PubMed:24720729). Implicated in the formation of a single axon by developing neurons (PubMed:24720729). May inhibit the formation of additional axons by inhibition of PI3K in minor neuronal processes (By similarity). Plays a role in the formation of F-actin-enriched protrusive structures at the cell periphery (By similarity). Plays a role in cytoskeletal organization by regulating the subcellular localization of FSCN1 and DBN1 at axonal growth cones (PubMed:24720729). Promotes gastric cancer cell migration and invasion in a PAK1-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]