

Product datasheet for TP505235

Zfyve27 (NM_177319) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse zinc finger, FYVE domain containing 27 (Zfyve27), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205235 representing NM_177319 Red=Cloning site Green=Tags(s)

MQTSDRDLSGPEASPSGMPEVLSECPPAPT KSAAFDLFNLVLSYKRLEIYLEPLKDAGDGVRYLLRWQMP
LCSLLTCLGLNILFLTLNEGAWYSMGALMISVPALLGYLQEVCRGQLPESELMRRKYHSIRQEDLQRVRL
SRVHLSRPEAVA EVKSFLIQLEAFLARLCYTCESAYRVLHWENPVVSSQFYGALLGMVCMYLLPLCWVL
ALLNSTLFLGNGDFFRVVCEYRAQLRRMNPRQEACESSALQGAGGRLLDSSPAPTPTEDLTPGSVE
EAEEAEPDEEFKDAIEETHLVLEDEEGTPCAEDELTLQDNGFLSKNEVLRKVSRLTERLRKRYPTNN
FGNCAGCAATFSVLKRRSCSNCGNSFCRCCSFKVPRSSMGATAPEAQRETVCVCASCNQTL SK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	46.7 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_796293
Locus ID:	319740
UniProt ID:	Q3TXX3



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RefSeq Size:	5636
Cytogenetics:	19 C3
RefSeq ORF:	1245
Synonyms:	2210011N02Rik; 9530077C24Rik; AI426636; AI593546; AI835681
Summary:	<p>Key regulator of RAB11-dependent vesicular trafficking during neurite extension through polarized membrane transport (By similarity). Promotes axonal elongation and contributes to the establishment of neuronal cell polarity (PubMed:24251978). Involved in nerve growth factor-induced neurite formation in VAPA-dependent manner. Contributes to both the formation and stabilization of the tubular ER network. Involved in ER morphogenesis by regulating the sheet-to-tubule balance and possibly the density of tubule interconnections (By similarity). Acts as an adapter protein that facilitates the interaction of KIF5A with VAPA, VAPB, SURF4, RAB11A, RAB11B and RTN3 and the ZFYVE27-KIF5A complex contributes to the transport of these proteins in neurons. Can induce formation of neurite-like membrane protrusions in non-neuronal cells in a KIF5A/B-dependent manner (PubMed:21976701). [UniProtKB/Swiss-Prot Function]</p>