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Product datasheet for TP500949

Fam107a (NM_183187) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse family with sequence similarity 107, member A (Fam107a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200949 protein sequence Red=Cloning site Green=Tags(s) MYSEIQRERADIEGLMARPEYREWNSELIKPKKLLNPVKASRSHQELHRELLMNHKRGLGMDSKPELQRV LEHRRRNQLIKKKEEELEAKRMQCPFKQELLRRQQRLNQLENPPQRDEDHAPEFIKVRENLRRITTLTSE ERAL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	17.5 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:	NP_899010
Locus ID:	268709
UniProt ID:	Q78TU8
RefSeq Size:	3144
Cytogenetics:	14 A1

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RefSeq ORF: 432

Synonyms: DRR1; RP24-111B7.1

Summary: Stress-inducible actin-binding protein that plays a role in synaptic and cognitive functions by modulating actin filamentous (F-actin) dynamics (PubMed:21969592). Mediates polymerization of globular actin to F-actin (PubMed:21969592). Also binds to, stabilizes and bundles F-actin (PubMed:21969592). Involved in synaptic function by regulating neurite outgrowth in an actin-dependent manner and for the acquisition of hippocampus-dependent cognitive function, such as learning and long-term memory (PubMed:21969592). Plays a role in the actin and microtubule cytoskeleton organization; negatively regulates focal adhesion (FA) assembly promoting malignant glial cell migration in an actin-, microtubule- and MAP1A-dependent manner. Also involved in neuroblastoma G1/S phase cell cycle progression and cell proliferation inhibition by stimulating ubiquitination of NF-kappa-B subunit RELA and NF-kappa-B degradation in a COMMD1- and actin-dependent manner. May play a role in tumor development (By similarity).[UniProtKB/Swiss-Prot Function]