

Product datasheet for TP520124

Fgd4 (NM_139232) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse FYVE, RhoGEF and PH domain containing 4 (Fgd4), transcript variant alpha, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR220124 representing NM_139232
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MEESNPAPTSCTSKGKHSKVSDLISHFEGGVLSSYIDLQKDSTMNLNIPQTLGQPGLTSSPPRKFLPQH
SPQKQENDPDQTQGQHGCLANGVVAQNQMECEDEKETTLSPEMAIQTAAASPDTHVLNGERNETITDSA
SSIANSHDENASDSSCRTPGTDLGLPSKEGEPGMDAELQERENGVNTMGLDLDLQHHHEVKETNEQKLHKI
ATELLLTERAYVSRLDLLDQVYFCKLLEEANRGSFPAEMVKNKIFSNISSINAFHSKFLLEPELEKRMQWE
TTPRIGDILQKLAPFLKMYGEYVKGFDNAVELVKTMTERVPOFKSVTEEIQQKICGSLTLQHHMLEPIQ
RIPRYEMLLKDYLLKLSPPDWDNAKKSLEIISTAASHSNSAIRKMNKLLLEIYEMLGEEDIVNPS
NELIKEGQILKLAARNTSAQERYLFLFNNMLLYCVPRFSLVGSKFTVRTRVGDGMKIVETHNEEYPHTF
QISGKERTLELQASSEQDKEEWIKALQESIDAFHQRHETFRNAIAKENDIPLLEVSTAELGKRAPRWIRDN
EVTMCMKCKESFNALTRRRHHCACGHVVCWKCSQDYKAQLEYDGGRLNKVCKDCYQIISGFTDSEKKRR
GILEIESAEVSGNSEVCSFLQYMEKSKPWQKIWCVIPKQDPLVLYMYGAPQDVRAQATIPLLGYVDDMP
KSADLPHSFKLTQSKSVHFAADNEELKQKWLKILLAVTGETPDGPSEHLATLNNLPGPKKSEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	86.5 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.



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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_631978
Locus ID:	224014
UniProt ID:	Q91ZT5
RefSeq Size:	8344
Cytogenetics:	16 A2- A3
RefSeq ORF:	2298
Synonyms:	9030023J02Rik; 9330209B17Rik; Fr; Frabp; ZFYVE; ZFYVE6
Summary:	This gene is a member of the FYVE, RhoGEF and PH domain containing (FGD) family. The encoded protein is a Cdc42-specific guanine nucleotide exchange factor (GEF) that plays an essential role in regulating the actin cytoskeleton and cell morphology. Disruption of the gene in mouse causes abnormal nerve development and dysmyelination. Mutations in a similar gene in human can cause Charcot-Marie-Tooth disease type 4H (CMT4H), a disorder of the peripheral nervous system. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]