

Product datasheet for TP511315

Fgd1 (NM_008001) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse FYVE, RhoGEF and PH domain containing 1 (Fgd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR211315 representing NM_008001
Red=Cloning site **Green**=Tags(s)

MHGHRVPGGPGSPDPERSAANTPGAAPLACADSDPGALEPGLPVSRGSGTALGGPLDPQFVGPSDASLGA
PPSSRVLPCGSPQHHRALRFSYHLEGSQPRPGLHQGNRILVKLSLDPGQSLEPHPEGPQRLRSDPGPP
TEIPGRPSPLKRAPGPKQVPPKPSYLQMPRVLPPPEIPPPSRPLPADPRVAKGLVPRAEASTSSAA
VSSLIEKFEREPVIVASDRPAPGPCVPPEPAMLPQPPPQPTGSQLEPEGEASRCLFLLAPGPRDGEKVPN
RDSGIDSISPSNSEETCFVSDDGPPHSLCPGPPALASMPVALADPHRPGSQEVDSDLEEEEEEEEEEEK
EREIPVPPMERQESVELTVQKVFHIANELLQTEKAYVSRLLHLLDQVFCARLLEEARNRSSFADVVHGI
FSNICSIYCFHQFLLPELEKRMEEWDYPRIGDILQKLAPFLKMYGEYVKNFDRAVELVNTWTERSTQF
KVIIHEVQKEEACGNLTLQHMHLEPVQIRIPRYELLLKDYLLKPLPHGSPDSKDAQKSELIATAAEHSNAA
IRKMERMHKLLKVYELLGGEEDIVSPTKELIKEGHILKLSAKNGTTQDRYLILFNDRLLYCVPRLRLLGQ
KFSVRARIDVDGMELKESNLNMPRTFLVSGKQRSLELQARTEEEKDWVQAINSTLLKHEQTLETFKLL
NSTNRDDEDTPPNPNVDLKGKRAPTPIREKEVTMCMRCQEPFNSITKRRHHCKACGHVVCCKCSEFRARL
IYDNNRSNRVCTDCYVALHGAPGSSPACSQHTPQRRRSILEKQASVAAENSVICSFLHYMEKGGKGWHLKA
WFVVPENEPLVLYIYGAPQDVKAQRSPLIGFEVGPPEAGERPDRRHVFKITQSHLSWYFSPETEELQRR
WMAVLGRAGRGDTFCPGPTLSEDKEMEETPVAASGATAEPPEASQTRDKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 106.8 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



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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_032027
Locus ID:	14163
UniProt ID:	P52734 , Q3UG32
RefSeq Size:	3516
Cytogenetics:	X 68.46 cM
RefSeq ORF:	2880
Synonyms:	ZFYVE; ZFYVE3
Summary:	This gene encodes a member of family of Rho-specific guanine nucleotide exchange factors. Rho-specific guanine nucleotide exchange factors catalyze the exchange of GDP for GTP and activate small GTPases, which function as molecular switches in signaling. This protein specifically binds cell division cycle 42, a Rho (Ras homology) GTPase. Investigations in mouse suggest that this protein is important for skeletal mineralization and for regulating the actin cytoskeleton. In humans, mutations in this gene are associated with faciogenital dysplasia, also known as Aarskog-Scott syndrome. [provided by RefSeq, Mar 2014]