

Product datasheet for TP516189

Ficd (NM_001010825) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse FIC domain containing (Ficd), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216189 representing NM_001010825 Red =Cloning site Green =Tags(s)

MILMPMASVVAEPAEKWVSVWGRFLWMALLSMALGSLALLLPLGWEEHCLAVLRGFHLLRSKLDRAQP
VVPKCTSLCTELSVSSRDAGLLTVKTTASPAGKLEAKAALNQALEMKRQGKRGKAHKLFLHALKMDPGFV
DALNEFGIFSEEDKDIIQADYLYTRALTISPFHEKALVNRDRTLPLVEEIDQRYFSVIDSKVKKVMSIPK
GSSALRRVMEETYHHIYHTVAIEGNTLTLSAIRHILETRYAVPGKSLEEQNEVIGMHAAMKYINTTLVS
RIGSVTMDDMLEIHRRLVGYVDPVEAGRFRRTQVLVGHHPHPRDVEKMQEFTQWLNSDAMNLPVE
FAALAHYKLVYIHPFIDGNGRTRSRLMNLILMQAGYPPITIRKEQRSEYYHVLEVANEGDVRPFIRFIK
CTEVTLDLTLATTEYSVALPEAQPNSHSGFKETLPVRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	52.2 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_001010825</u>
Locus ID:	231630



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UniProt ID:	Q8BIX9
RefSeq Size:	3192
Cytogenetics:	5 55.55 cM
RefSeq ORF:	1374
Synonyms:	D5Ertd40e; Hype
Summary:	<p>Protein that can both mediate the addition of adenosine 5'-monophosphate (AMP) to specific residues of target proteins (AMPylation), and the removal of the same modification from target proteins (de-AMPylation), depending on the context (By similarity). The side chain of Glu-231 determines which of the two opposing activities (AMPylase or de-AMPylase) will take place (By similarity). Acts as a key regulator of the ERN1/IRE1-mediated unfolded protein response (UPR) by mediating AMPylation or de-AMPylation of HSPA5/BiP (By similarity). In unstressed cells, acts as an adenylyltransferase by mediating AMPylation of HSPA5/BiP at 'Thr-518', thereby inactivating it (By similarity). In response to endoplasmic reticulum stress, acts as a phosphodiesterase by mediating removal of ATP (de-AMPylation) from HSPA5/BiP at 'Thr-518', leading to restore HSPA5/BiP activity (By similarity). Although it is able to AMPylate RhoA, Rac and Cdc42 Rho GTPases in vitro, Rho GTPases do not constitute physiological substrates (By similarity).[UniProtKB/Swiss-Prot Function]</p>