

## Product datasheet for **TP315568**

### FRMPD4 (NM\_014728) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FERM and PDZ domain containing 4 (FRMPD4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215568 protein sequence Red=Cloning site Green=Tags(s)

MDVFSFVKIAKLSSHRTKSSGWPPPSGTWGLSQVPPYGWEMTANRDGRDYFINHMTQAIPFDDPRLESCQ  
IIPPAPRKVEMRRDPVLGFGFVAGSEKPVVRSVTPGGPSEGKLIPGDQIVMINDEPVSAAPRERVIDLV  
RSCKESILLTVIQPYPSPKSAFISAACKARLKSNPVKVRFSEEVIIINGQVSETVKDNSLLFMPNVLKVYL  
ENGQTKSFRFDCSTSIKDVILTLQEKLKSIKIEHFSLEQRTGAGTKLLLLHEQETLTQVTQRPSSHK  
MRCLFRISFVPKDPIDLLRRDPVAFEYLYVQSCNDVVQERFGPELKYDIALRLAALQMYIATVTTKQTQK  
ISLKYIEKEWGLETFPSAVLQSMKEKNIKKALSHLVKANQNLVPPGKKLSALQAKVHYLKFLSDLRLYG  
GRVFKATLVQAEKRSEVTLVGPVRYGISHVINTKTNLVALADFSHVNRIEMFSEESLVRVELHVLVDVK  
PITLLMESSDAMNLACLTAGYYRLLVDSRRSIFNMANKNTATQETGPENKKGKHNLLGPDWNCIPQMTTF  
IGEGEQEAQITYIDSKQKTVEITDSTMCPKEHRHLYIDNAYSSDGLNQQLSQPGEAPCEADYRSLAQRSL  
LTLSPETLKKAQESPRGAKVSFIFGDFALDDGISPPTLGYETLLDEGPEMLEKQRNLYIGSANDMKGLD  
LTPEAEGIQFVENSIVYANIGDVKSQAAEGIEEPLLDHICYAENTDDAEDEDEVSCEEDLVGEMNQPAI  
LNLGSSDDIIDLTLSPPEGDNDNEDDFLLRSLNMAIAAPPPGFRDSSDEEDSQAASFPEDEKKGSSL  
QNDEIPVSLIDAVPTSAEGKCEKGLDNAVVSTLGALEALSVEEQQTSNDSGVAIRAYSPESSSDSGNE  
TNSSEMTESELATAQKQSENLSRMFLATHEGYHPLAEEQTEFPASKTPAGGLPPKSSHALAARPATDLP  
PKVPSKQLLHSDHMEMEPETMETKSVTDYFSKLHMGSVAYSCTSKRKS KLADGEGKAPPNGNTTGKKQQ  
GTKTAEMEEEASGKFGTVSSRDSQHLSTFNLERTAFRKDSQRWYVATEGGMAEKSGLEAATGKTFPRASG  
LGAREAEGKEEGAPDGETSDGSGLGQDRFLTDVTCASSAKDLNPEADSSCDHPSKLP EADESVARL  
CDYHLAKRMSSLQSEGHFSLQSSQSSVDAGCGTGSSGSACATPVESPLCPSLGKHLIPDASGKGVNYIP  
SEERAPGLPNHGATFKELHPQTEGMCPRMTPALHTAINT EPLFGTLRDGCHRLPKIKETTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

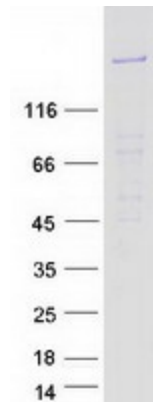
Tag:	C-Myc/DDK
Predicted MW:	144.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055543</a>
<b>Locus ID:</b>	9758
<b>UniProt ID:</b>	<a href="#">Q14CM0</a>
<b>RefSeq Size:</b>	8477
<b>Cytogenetics:</b>	Xp22.2
<b>RefSeq ORF:</b>	3966
<b>Synonyms:</b>	MRX104; PDZD10; PDZK10
<b>Summary:</b>	This gene encodes a multi-domain (WW, PDZ, FERM) containing protein. Through its interaction with other proteins (such as PSD-95), it functions as a positive regulator of dendritic spine morphogenesis and density, and is required for the maintenance of excitatory synaptic transmission. [provided by RefSeq, Jan 2010]

### Product images:



Coomassie blue staining of purified FRMPD4 protein (Cat# TP315568). The protein was produced from HEK293T cells transfected with FRMPD4 cDNA clone (Cat# [RC215568]) using MegaTran 2.0 (Cat# [TT210002]).