

# Recombinant Human FRMPD4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FRMPD4-2733H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

FRMPD4 MS Standard C13 and N15-labeled recombinant protein (NP\_055543) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

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.

### Molecular Mass

144.4 kDa

### AA Sequence

MDVFSFVKIAKLSSHRTKSSGWPPPSGTWGLSQVPPYGWEMTANRDGRDYFINHM  
TQAIPFDDPRLESCQIIPPAPRKVEMRRDPVLGFGFVAGSEKPVVRSVTPGGPSEG  
KLIPGDQIVMINDEPVSAAPRERVIDLVRSCKEISILLTVIQPYSPKSAFISAACKARLK  
SNPVKVRFSSEVIINGQVSETVKDNSLLFMPNVLKVYLENGQTKSFRFDCSTSISKDVI  
LTLQEKLSIKGIEHFSLMLEQRTEGAGTKLLLLHEQETLTQVTQRPSSHKMRCLFRIS  
FVPKDPIDLLRRDPVAFEYLYVQSCNDVVQERFGPELKYDIALRLAALQMYIATVTTK  
QTQKISLKYIEKEWGLETFLPSAVLQSMKEKNIKKALSHLVKANQNLVPPGKKLSALQ  
AKVHYLKFLSDLRLYGGRVFKATLVQAEKRSEVTLLVGPYRGISHVINTKTNLVALLA  
DFSHVNRIEMFSEEEESLVRVELHVLDVKPITLLMESSDAMNLA CLTAGYYRLLVDSR

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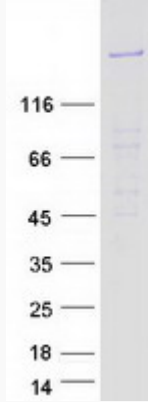
 45-1 Ramsey Road, Shirley, NY 11967, USA

RSIFNMANKKNTATQETGPENKKGKHNLLGPDWNCIPQMTTFIGEGEQEAQITYIDSK  
 QKTVEITDSTMCPKEHRHLYIDNAYSSDGLNQQLSQPGEAPCEADYRSLAQRSLTL  
 SGPETLKKAQESPRGAKVSFIFGDFALDDGISPPTLGYETLLDEGPEMLEKQRNLYIG  
 SANDMKGLDLTPEAEGIQFVENSIVYANIGDVKSFQAAEGIEEPLLDICYAENTDDAE  
 DEDEVSCCEEDLVVGGEMNQPAIILNLSGSSDDIIDLTSLPPEGGDDNEDDFLLRSLNMAI  
 AAPPPGFRDSSDEEDSQSQAASFPEDEKEKSSQLQNDEIPVSLIDAVPTSAEGKCEK  
 GLDNAVVSTLGALEALSVSEEQQTSDNSGVAILRAYSPSSSDSGNETNSSEMTE  
 SELATAQKQSENLSRMFLATHEGYHPLAEEQTEFPASKTPAGGLPPKSSHALAARP  
 ATDLPPKVVPSKQLLHSDHMEMEPETMETKSVTDYFSKLHMGVAVYSCTSKRKS  
 ADGEGKAPPNGNTTGKKQQGKTAEEMEEASGKFGTVSSRDSQHLSTFNLERTAF  
 RKDSQRWYVATEGGMAEKSGLEAATGKTFPRASGLGAREAEKKEEGAPDGETSD  
 GSGLGQGDRFLTDVTCASSAKDLNPNEDADSSTCDHPSKLPEADESVARLCDYHLA  
 KRMSLQSEGHFSLQSSQGSSVDAGCGTGSSGSACATPVESPLCPSLGKHLIPDAS  
 GKGVNYIPSEERAPGLPNHGATFKELHPQTEGMCPRMTVPALHTAINTEPLFGTLRD  
 GCHRLPKIKETTIVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	FRMPD4 FERM and PDZ domain containing 4 [ Homo sapiens (human) ]
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<b>Official Symbol</b>	FRMPD4
<b>Synonyms</b>	FRMPD4; FERM and PDZ domain containing 4; PDZ domain containing 10, PDZD10, PDZK10; FERM and PDZ domain-containing protein 4; KIAA0316; Preso; PDZ domain containing 10; PDZ domain-containing protein 10; PSD-95-interacting FERM and PDZ domain protein; PSD-95-interacting regulator of spine morphogenesis; PDZD10; PDZK10; MGC142260; MGC142262;
<b>Gene ID</b>	9758
<b>mRNA Refseq</b>	NM_014728
<b>Protein Refseq</b>	NP_055543
<b>MIM</b>	300838
<b>UniProt ID</b>	Q14CM0
<b>SDS-PAGE</b>	

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