

Datasheet for ABIN7553967
FRMPD2 Protein (AA 1-1309) (His tag)



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Overview

Quantity:	1 mg
Target:	FRMPD2
Protein Characteristics:	AA 1-1309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FRMPD2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant FRMPD2 Protein expressed in mammalian cells.
Sequence:	<p>MQPLTKDAGM SLSSVTLASA LQVRGEALSE EEIWSLLFLA AEQLLEDLRN DSSDYVVCPW SALLSAAGSL SFQGRVSHIE AAPFKAPELL QGQSEDEQPD ASQMHVYSLG MTLYWSAGFH VPPHQPLQLC EPLHSILLTM CEDQPHRRCT LQSVLEACRV HEKEVSVYPA PAGLHIRRLV GLVLGTISEV EKRVVEESSS VQQNRSYLLR KRLRGTSSSES PAAQAPECLH PCRVSERSTE TQSSPEPHWS TLTHSHCSLL VNRALPGADP QDQQAGRRLS SGSVHSAADS SWPTTPSQRG FLQRRSKFSR PEFILLAGEA PMTLHLPGSV VTKKGKSYLA LRDLCVLLN GQHLEVKCDV ESTVGAVFNA VTSFANLEEL TYFGLAYMKS KEFFFLDSET RLCKIAPEGW REQPKTSMN TFTFLRIKF FVSHYGLLQH SLTRHQFYLQ LRKDILEERL YCNEEILLQL GVLALQAEFG NYPKEQVESK PYFHVEDYIP ASLIERMTAL RVQVEVSEMH RLSSALWGED AELKFLRVTQ QLPEYGVLVH QVFSEKRRPE EEMALGICAK GVIVYEVKNN SRIAMLRFAQ RETGKISTYQ KKFTITSSVT GKKHTFVTDS AKTSKYLLDL CSAQHGFNAQ MSGSQPSHVL FDHDKFVQMA NLSPAHQARS KPLIWIQRLS CSENELFVSR LQGAAGGLLS TSMDNFNVDG SKEAGAEGIG</p>

RSPCTGREQL KSACVIQKPM TWDSLGGPPV QSMHAGSKNN RRKSFIAEPG REIVRVTLKR
DPHRGFGFVI NEGEYSQAD PGIFISSIIP GGPAEKAKTI KPGGQILALN HISLEGFTFN
MAVRMIQNSP DNIELIISQS KGVGGNNPDE EKNSTANSGV SSTDILSFGY QGSLLSHTQD
QDRNTEELDM AGVQSLVPRL RHQLSFLPLK GAGSSCPPSP PEISAGEIYF VELVKEDGTL
GFSVTGGINT SVPYGGIYVK SIVPGGPAK EGQILQGDRL LQVDGVILCG LTHKQAVQCL
TGPGQVARLV LERRVPRSTQ QCPSANDSMG DERTAVSLVT ALPGRPSSCV SVTDGPKFEV
KLKKNANGLG FSFVQMEKES CSHLKSIDLVR IKRLFPGQPA EENGAIAAGD IILAVNGRST
EGLIFQEV LH LLRGAPQEV T LLLCRPPPGA LPELEQEWQT PELSADKEFT RATCTDSCTS
PILDQEDSWR DSASPDAGEG LGLRPESQK AIREAQWGQN RERPWASSLT HSPESHPLC
KLHQRDEST LATSLEKDVR QNCYSVCDIM RLGRYSFSSP LTRLSTDIF **Sequence without tag.**

The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	FRMPD2
Alternative Name:	FRMPD2 (FRMPD2 Products)
Background:	FERM and PDZ domain-containing protein 2 (PDZ domain-containing protein 4) (PDZ domain-containing protein 5C),FUNCTION: May play a role in the regulation of tight junction formation. Binds phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P2). {ECO:0000269 PubMed:19706687}.
Molecular Weight:	144.3 kDa
UniProt:	Q68DX3
Pathways:	Cell-Cell Junction Organization

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months