

Datasheet for ABIN7547666
FKRP Protein (AA 1-495) (His tag)



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Overview

Quantity:	1 mg
Target:	FKRP
Protein Characteristics:	AA 1-495
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKRP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat FKRP Protein expressed in mammalian cells.
Sequence:	MRLTRCQAAL AAAILNLLV LFYVSWLQHQ PRNSRARGPR RASAAGPRVT VLVREFEAFD NAVPELVDSF LQQDPAQPVV VAADTLPYPP LALPRIPNVR LALLQPALDR PAAASRPETY VATEFVALVP DGARAEAPGL LERMVEALRA GSARLVAAPV ATANPARCLA LNVSLREWTA RYGAAPAAPR CDALDGDVAV LLRARDLFNL SAPLARVGT SLFLQTALRG WAVQLDLTF AAARQPPLAT AHARWKAERE GRARRAALLR ALGIRLVSW EGGRELEWFGCN KETTRCFGTV VGDTPAYLYE ERWTPPCCLR ALRETARYVV GVLEAAGVRY WLEGGSLGGA ARHGDIIIPWD YDVDLGIYLE DVGNCQLRG AEAGSVVDER GFVWEKAVEG DFFRVQYSES NHLHVDLWPF YPRNGVMTKD TWLDHRQDVE FPEHFLQPLV PLPFAGFVAQ APNNYRRFLE LKFGPGVIEN PQYPNPALLS LTGSG 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.

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

FKRP

Alternative Name:

FKRP ([FKRP Products](#))

Background:

Ribitol 5-phosphate transferase FKRP (EC 2.7.8.-) (Fukutin-related protein) (Ribitol-5-phosphate transferase),FUNCTION: Catalyzes the transfer of a ribitol 5-phosphate from CDP-L-ribitol to the ribitol 5-phosphate previously attached by FKTN/fukutin to the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1) (PubMed:26923585, PubMed:29477842, PubMed:31949166, PubMed:27194101). This constitutes the second step in the formation of the ribose 5-phosphate tandem repeat which links the phosphorylated O-mannosyl trisaccharide to the ligand binding moiety composed of repeats of 3-xylosyl-alpha-1,3-glucuronic acid-beta-1 (PubMed:25279699, PubMed:26923585, PubMed:29477842, PubMed:31949166, PubMed:27194101). {ECO:0000269|PubMed:25279699, ECO:0000269|PubMed:26923585, ECO:0000269|PubMed:27194101, ECO:0000269|PubMed:29477842, ECO:0000269|PubMed:31949166}.

Molecular Weight:

54.6 kDa

Target Details

UniProt: [Q9H9S5](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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
