

Datasheet for ABIN7549702
PDZD3 Protein (AA 1-571) (His tag)



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Overview

Quantity:	1 mg
Target:	PDZD3
Protein Characteristics:	AA 1-571
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDZD3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NHERF4 Protein expressed in mammalian cells.
Sequence:	MVTPSPPGNH SLSLEAPRLH TASDLLGNHS LGLPLITALV GSRDRRGRVF SPVPVPLPTN PTTQHPTRQK LPSTLSGHRV CQAHGEPVLG LCPLLPLFCC PPHPPDPWSL ERPRFCLLSK EEGKSFGFHL QQELGRAGHV VCRVDPGTSR QRQGLQEGDR ILAVNNDVVE HEDYAVVVRR IRASSPRVLL TVLARHAHDV ARAQLGEDAH LCPTLGGPVR PRLCHIVKDE GGFGFSVTHG NQGPFWLVLS TGGAERAGV PPGARLLEVN GVSVEKFTHN QLTRKLWQSG QQVTLLVAGP EVEEQCRQLG LPLAAPLAEG WALPTKPRCL HLEKGPQGFG FLLREEKGLD GRPGQFLWEV DPGLPAKKAG MQAGDRLVAV AGESVEGLGH EETVSRIQQG GSCVSLTVVD PEADRFSSMV RLSPLLFLFN TEAPASPRGS SSASLVETED PSLEDTSVPS VPLGSRQCFL YPGPGGSYGF RLSCVASGPR LFISQVTPGG SAARAGLQVG DVILEVNGYP VGGQNDLERL QQLPEAEPL CLKLAARSLR GLEAWIPPGA AEDWALASDL L 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: PDZD3

Alternative Name: NHERF4 ([PDZD3 Products](#))

Background: Na(+)/H(+) exchange regulatory cofactor NHE-RF4 (NHERF-4) (Intestinal and kidney-enriched PDZ protein) (Natrium-phosphate cotransporter IIa C-terminal-associated protein 2) (Na/Pi cotransporter C-terminal-associated protein 2) (NaPi-Cap2) (PDZ domain-containing protein 2) (PDZ domain-containing protein 3) (Sodium-hydrogen exchanger regulatory factor 4),FUNCTION: Acts as a regulatory protein that associates with GUCY2C and negatively modulates its heat-stable enterotoxin-mediated activation (PubMed:11950846). Stimulates SLC9A3 activity in the presence of elevated calcium ions (PubMed:19088451). {ECO:0000269|PubMed:11950846, ECO:0000269|PubMed:19088451}.

Molecular Weight: 61.0 kDa

Target Details

UniProt: [Q86UT5](#)

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