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Datasheet for ABIN7554933
PDZD8 Protein (AA 1-1154) (His tag)

Overview

Quantity:	1 mg
Target:	PDZD8
Protein Characteristics:	AA 1-1154
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDZD8 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PDZD8 Protein expressed in mammalian cells.
Sequence:	MGLLLMILAS AVLGSFLTLL AQFFLLYRRQ PEPPADEAAR AGEGFRYIKP VPGLLLREYL YGGGRDEEPS GAAPEGGATP TAAPETPAPP TRETCTYFLNA TILFLFRELR DTALTRRWVT KKIKVEFEEL LQTKTAGRLL EGLSLRDVFL GETVPFIKTI RLVRPVPSA TGE PDGPEGE ALPAACPEEL AFEAEVEYNG GFHLAIDVDL VFGKSAYLFV KLSRVVGR LR LVFTRVPFTH WFFSFVEDPL IDFEVRSQFE GRPMPQLTSI IVNQLK KIIK RKHTLPNYKI RFKPPFFPYQT LQGFEEDEEH IHIQWALTE GRLKVTLLEC SRLIFGSYD REANVHCTLE LSSSVWEEKQ RSSIKTVELI KGNLQSVGLT LRLVQSTDGY AGHVIIETVA PNSPAIADL QRGDRLIAIG GVKITSTLQV LKLIKQAGDR VLVYYERPVG QSNQGAVLQD NFGQLEENFL SSSCQSGYEE EAAGLTVDTE SRELDSEFED LASDVRAQNE FKDEAQLSLH SPKRVPTTLS IKPLGAISPV LNRKLAVGSH PLPPKIQSKD GNKPPPLKTS EITDPAQVSK PTQGSFAKPP VPPRPQAKVP LPSADAPNQA EPDVLVEKPE KVVPPPLVDK SAEKQAKNVD AIDDAAPKQ FLAKQEVAKD VTSETSCPTK DSSDDRQTWE SSEILYRNKL GKWTRTRASC LFDIEACHRY LNIALWCRDP

Product Details

FKLGGICLG HVSLKLEDVA LGCLATSNTE YLSKLRLEAP SPKAIIVTRTA LRNLISMQKGF
NDKFCYGDIT IHFKYLKEGE SDHHVVTNVE KEKEPHLVEE VSVLPKEEQF VGQMGLTENK
HSFQDTQFQN PTWCDYCKKK VWTKAASQCM FCAYVCHKKC QEKCLAETSV CGATDRRIDR
TLKNLRLEGQ ETLGLPVRV DAEASKSVNK TTGLTRHIIN TSSRLLNLRQ VSKTRLSEPG
TDLVEPSPKH TPNTSDNEGS DTEVCGPNP SKRGNSTGIK LVRKEGGLDD SVFIKVKEIG
RDLYRGLPTE ERIQKLEFML DKLQNEIDQE LEHNNSLVRE EKETTDTRKK SLLSAALAKS
GERLQALTL MIHYRAGIED IETLESLSLD QHSHKISKYK DDTEEDLDNE ISQLIDSQPF
SSISDDLFGP SESV **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: PDZD8

Alternative Name: PDZD8 ([PDZD8 Products](#))

Background: PDZ domain-containing protein 8 (Sarcoma antigen NY-SAR-84/NY-SAR-104),FUNCTION:

Target Details

Molecular tethering protein that connects endoplasmic reticulum and mitochondria membranes (PubMed:29097544). PDZD8-dependent endoplasmic reticulum-mitochondria membrane tethering is essential for endoplasmic reticulum-mitochondria Ca(2+) transfer (PubMed:29097544). In neurons, involved in the regulation of dendritic Ca(2+) dynamics by regulating mitochondrial Ca(2+) uptake in neurons (PubMed:29097544). Plays an indirect role in the regulation of cell morphology and cytoskeletal organization (PubMed:21834987). May inhibit herpes simplex virus 1 infection at an early stage (PubMed:21549406). {ECO:0000269|PubMed:21549406, ECO:0000269|PubMed:21834987, ECO:0000269|PubMed:29097544}.

Molecular Weight: 128.6 kDa

UniProt: [Q8NEN9](#)

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