

Datasheet for ABIN7550692
PEX13 Protein (AA 1-403) (His tag)



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Overview

Quantity:	1 mg
Target:	PEX13
Protein Characteristics:	AA 1-403
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEX13 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PEX13 Protein expressed in mammalian cells.
Sequence:	MASQPPPPPK PWETRRIPGA GPGPGPGPTF QSADLGPTLM TRPGQPALTR VPPPILPRPS QQTGSSSVNT FRPAYSSFSS GYGAYGNSFY GGYSPYSYGY NGLGYNRLRV DDLPPSRFVQ QAESSRGAF QSIESIVHAF ASVSMMDAT FSAVYNSFRA VLDVANHFSA LKIHFTKVFS AFALVRTIRY LYRRLQRMLG LRRGSENE DL WAESEGT VAC LGAEDRAATS AKSWPIFLFF AVILGGPYLI WKLLSTHSDE VTDSINWASG EDDHVVARAE YDFAAVSEEE ISFRAGDMLN LALKEQQPKV RGWLLASLDG QTTGLIPANY VKILGKRKGR KTVESKVKSK QQQSFTNPTL TKGATVADSL DEQEA AFESV FVETNKVPVA PDSIGKDGEK QDL 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.
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	PEX13
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Alternative Name:	PEX13 (PEX13 Products)
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Background:	<p>Peroxisomal membrane protein PEX13 (Peroxin-13),FUNCTION: Component of the PEX13-PEX14 docking complex, a translocon channel that specifically mediates the import of peroxisomal cargo proteins bound to PEX5 receptor (PubMed:9653144, PubMed:8858165, PubMed:28765278). The PEX13-PEX14 docking complex forms a large import pore which can be opened to a diameter of about 9 nm (By similarity). Mechanistically, PEX5 receptor along with cargo proteins associates with the PEX14 subunit of the PEX13-PEX14 docking complex in the cytosol, leading to the insertion of the receptor into the organelle membrane with the concomitant translocation of the cargo into the peroxisome matrix (PubMed:9653144, PubMed:8858165, PubMed:28765278). Involved in the import of PTS1- and PTS2-type containing proteins (PubMed:9653144, PubMed:8858165). {ECO:0000250 UniProtKB:P80667, ECO:0000269 PubMed:28765278, ECO:0000269 PubMed:8858165, ECO:0000269 PubMed:9653144}.</p>
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Molecular Weight:	44.1 kDa
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UniProt:	Q92968
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Target Details

Pathways: [Feeding Behaviour, Monocarboxylic Acid Catabolic 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