

Datasheet for ABIN7554936
PEX6 Protein (AA 1-980) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PEX6
Protein Characteristics:	AA 1-980
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEX6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PEX6 Protein expressed in mammalien cells.
Sequence:	<p>MALAVLRVLE PFPTETPLA VLLPPGGPWP AAELGLVLAL RPAGESPAGP ALLVAALEGP DAGTEEQGPG PPQLLVSRAL LRLALGSGA WVRARAVRRP PALGWALLGT SLGPGLGPRV GPLLVRRGET LPVPGPRVLE TRPALQGLL PGTRLAVTEL RGRARLCPES GDSSRPPPPP VVSSFAVSGT VRRLLQVLLG TGDSLGVSRSLRGLGLFQG EWWVVAQARE SSNTSQPHLA RVQVLEPRWD LSDRLGPGSG PLGEPLADGL ALVPATLAFN LGCDPLEMGE LRIQRYLEGS IAPEDKGSCS LLPGPPFARE LHIEIVSSPH YSTNGNYDGV LYRHFQIPRV VQEGDVLCPV TIGQVEILEG SPEKLPRWRE MFFKVKKTG EAPDGPASAY LADTTHTSLY MVGSTLSPVP WLPSEESTLW SSLSPGLEA LVSELCAVLK PRLQPGGALL TGTSSVLLRG PPGCGKTTVV AAACSHLGLH LLKVPCSSLC AESSGAVETK LQAFSRARR CRPAVLLTA VDLLGRDRDG LGEDARVMAV LRHLLLNEDP LNSCPPLMVV ATTSRAQDLP ADVQTAFPHE LEVPALSEGQ RLSILRALTA HLPLGQEVNL AQLARRCAGF VGDLYALLT HSSRAACTRI KNSGLAGGLT</p>

Product Details

EEDEGELCAA GFPLLAEDFG QALEQLQTAH SQAVGAPKIP SVSWHDVGGGL QEVKKEILET
IQLPLEHPEL LSLGLRRSGL LLHGPPGTGK TLLAKAVATE CSLTFLSVKG PELINMYVGQ
SEENVREVFA RARAAAPCII FFDELDSLAP SRGRSGDSGG VMDRVVSQLL AELDGLHSTQ
DVFVIGATNR PDLLDPALLR PGRFDKLVFV GANEDRASQL RVLSAITRKF KLEPSVSLVN
VLDCPPQLT GADLYSLCSD AMTAALKRRV HDLEEGLEPG SSALMLTMED LLQAAARLQP
SVSEQELLRY KRIQRKFAAC **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:

- 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:

PEX6

Alternative Name:

PEX6 ([PEX6 Products](#))

Background:

Peroxisomal ATPase PEX6 (EC 3.6.4.-) (Peroxin-6) (Peroxisomal biogenesis factor 6) (Peroxisomal-type ATPase 1) (Peroxisome assembly factor 2) (PAF-2),FUNCTION: Component of the PEX1-PEX6 AAA ATPase complex, a protein dislocase complex that mediates the ATP-dependent extraction of the PEX5 receptor from peroxisomal membranes, an essential step for PEX5 recycling (PubMed:16314507, PubMed:16854980, PubMed:21362118,

Target Details

PubMed:29884772). Specifically recognizes PEX5 monoubiquitinated at 'Cys-11', and pulls it out of the peroxisome lumen through the PEX2-PEX10-PEX12 retrotranslocation channel (PubMed:29884772). Extraction by the PEX1-PEX6 AAA ATPase complex is accompanied by unfolding of the TPR repeats and release of bound cargo from PEX5 (PubMed:29884772). {ECO:0000269|PubMed:16314507, ECO:0000269|PubMed:16854980, ECO:0000269|PubMed:21362118, ECO:0000269|PubMed:29884772}.

Molecular Weight: 104.1 kDa

UniProt: [Q13608](#)

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