

Datasheet for ABIN7564891
PEX6 Protein (AA 1-981) (His tag)



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Overview

Quantity:	1 mg
Target:	PEX6
Protein Characteristics:	AA 1-981
Origin:	Mouse
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>MALAVLRVLD PFPTETPLA VLLPPGGPWP ATGLGLVLAL RPASESPAKP ALLVAAVEGS GAQGEQRGPG PPPLLVSRAL LRVLALGPGA RVRARLVRRP PALGWALLAT APGPGLGPRV GPLLVRRGET LPVPGSRVLE TRPALQGLL PGTRLAVTEL RGRAKLGQES RDHSHPPPPP VVSSFAASHS VRRLRGVLGG TGDALGVSRS CLRSLGLFQG EWWVVAQVAE LPNSSQPRLA QVQVLEPRWE LSERLGPNSG QQPGEPLADG LVFLPATLAF NLGCDPLEVG ELRIQRYLEG SIAPENKGSC SPLPGPPFAR ELHIEILSSP HYSANGNYDH VLYRHFQTPR VVQEGDVLCV STAGQVEILE GSLERLPRWR EMFFKVKKTV GEAPEGPASA FLADTTHTSL YLAGTALSHV PSLPSGRSPP WDSLSPGGLE ALVNELCAIL KPHLQPGGTL LTGTSCVLLQ GPPGSGKTTA VTAACSRLGL HLLKVPCSSL CADSSRAVET KLQATFSRAR RCRPAVLLLT AVDLLGRDRD GLGEDARVAA TLRHLLDED ALSRCPPLMV VATTSRVQDL PTDVQTAFPH ELEVPLSEA QRLSILQALT AHLPLGQEVN LPQLARRCAG FVVGDLYALL THTCRAACTR IRASGSAGGL</p>

Product Details

SEEDGDLVCV AGFPLLAEDF GQALDQLQTA HSQAVGAPRI PSVSWHDVGG LQDVKKEILE
TIQLPLEHPE LLSLGLRRSG LLLHGPPGTG KTLAKAVAT ECSLTFLSVK GPELINMYVG
QSEENVREVF ARARAAAPCI IFFDELDSL A PSRGRSGDSG GVMDRVVSQL LAELDGLHST
QDVFVIGATN RPDLLDPALL RPGRFDKLVF VGASEDRASQ LRVLSAITRK FKLEASVSLA
NVLDCPPQL TGADLYSLCS DAMMTALKRR VRDLEEGLEL RSSALLTME DLLQAAARLQ
PSVSEQELLR YKRIQRKFAA C **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),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. Specifically recognizes PEX5 monoubiquitinated at 'Cys-11', and pulls it out of the peroxisome lumen through the PEX2-

Target Details

PEX10-PEX12 retrotranslocation channel. Extraction by the PEX1-PEX6 AAA ATPase complex is accompanied by unfolding of the TPR repeats and release of bound cargo from PEX5. {ECO:0000250|UniProtKB:Q13608}.

Molecular Weight: 104.5 kDa

UniProt: [Q99LC9](#)

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