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Datasheet for ABIN7550693  
**PEX7 Protein (AA 1-323) (His tag)**

## Overview

Quantity:	1 mg
Target:	PEX7
Protein Characteristics:	AA 1-323
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEX7 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PEX7 Protein expressed in mammalian cells.
Sequence:	MSAVCGGAAR MLRTPGRHGY AAEFSPYLPG RLCATAQHY GIAGCGTLII LDPDEAGLRL FRSFDWNDGL FDVTWSENNE HVLITCSGDG SLQLWDTAKA AGPLQVYKEH AQEVYSVDWS QTRGEQLVVS GSWDQTVKLW DPTVGKSLCT FRGHESIYS TIWSPHIPGC FASASGDQTL RIWDVKAAGV RIVIPAHQAE ILSCDWCKYN ENLLVTGAVD CSLRGWDLRN VRQPVFELLG HTYAIRRVKF SPFHASVLAS CSYDFTVRFW NFSKPDSLLE TVEHHTTEFTC GLDFSLQSPT QVADCSWDET IKIYDPACLT IPA <b>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.</b>
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:

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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## Target Details

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Target:	PEX7
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Alternative Name:	PEX7 ( <a href="#">PEX7 Products</a> )
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Background:	<p>Peroxisomal targeting signal 2 receptor (PTS2 receptor) (Peroxin-7),FUNCTION: Receptor required for the peroxisomal import of proteins containing a C-terminal PTS2-type peroxisomal targeting signal (PubMed:9090381, PubMed:11931631, PubMed:22057399, PubMed:25538232). Specifically binds to cargo proteins containing a PTS2 peroxisomal targeting signal in the cytosol (PubMed:11931631, PubMed:22057399, PubMed:25538232). Cargo protein-binding triggers interaction with PEX5 and formation of a ternary complex composed of PEX5 and PEX7 along with PTS2-containing cargo proteins, which is translocated into peroxisomes by passing through the PEX13-PEX14 docking complex (PubMed:11546814, PubMed:25538232). {ECO:0000269 PubMed:11546814, ECO:0000269 PubMed:11931631, ECO:0000269 PubMed:22057399, ECO:0000269 PubMed:25538232, ECO:0000269 PubMed:9090381}.</p>
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Molecular Weight:	35.9 kDa
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UniProt:	<a href="#">O00628</a>
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## Target Details

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Pathways: [Monocarboxylic Acid Catabolic Process](#)

## Application Details

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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

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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