

Datasheet for ABIN7550744
PEX10 Protein (AA 1-326) (His tag)



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Overview

Quantity:	1 mg
Target:	PEX10
Protein Characteristics:	AA 1-326
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PEX10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PEX10 Protein expressed in mammalian cells.
Sequence:	<p>MAPAAASPPE VIRAAQKDEY YRGGLRSAAG GALHSLAGAR KWLEWRKEVE LLSDVAYFGL TTLAGYQTLG EEVSIQVD PSRIHVPSSL RRGVLVTLHA VLPYLLDKAL LPLEQELQAD PDSGRPLQGS LGPGGRGCSG ARRWMRHHTA TLTEQRRAL LRAVFLRQG LACLQLHVA WFYIHGVFYH LAKRLTGITY LRVSLPGED LRARVSYRLL GVISLLHLVL SMGLQLYGFR QRQRARKEWR LHRGLSHRRA SLEERAVSRN PLCTLCLEER RHPTATPCGH LFCWECITAW CSSKAECPLC REKFPPQKLI YLRHYR 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.</p>
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

- 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:	PEX10
Alternative Name:	PEX10 (PEX10 Products)
Background:	<p>Peroxisome biogenesis factor 10 (EC 2.3.2.27) (Peroxin-10) (Peroxisomal biogenesis factor 10) (Peroxisome assembly protein 10) (RING finger protein 69),FUNCTION: E3 ubiquitin-protein ligase component of a retrotranslocation channel required for peroxisome organization by mediating export of the PEX5 receptor from peroxisomes to the cytosol, thereby promoting PEX5 recycling (PubMed:24662292). The retrotranslocation channel is composed of PEX2, PEX10 and PEX12, each subunit contributing transmembrane segments that coassemble into an open channel that specifically allows the passage of PEX5 through the peroxisomal membrane (By similarity). PEX10 also regulates PEX5 recycling by acting as a E3 ubiquitin-protein ligase (PubMed:24662292). When PEX5 recycling is compromised, PEX10 catalyzes polyubiquitination of PEX5 during its passage through the retrotranslocation channel, leading to its degradation (By similarity). {ECO:0000250 UniProtKB:Q05568, ECO:0000269 PubMed:24662292}.</p>
Molecular Weight:	37.1 kDa
UniProt:	O60683

Target Details

Pathways: [Monocarboxylic Acid Catabolic Process](#)

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