

Datasheet for ABIN7565144  
**PTF1A Protein (AA 1-324) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PTF1A
Protein Characteristics:	AA 1-324
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTF1A protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Ptf1a Protein expressed in mammalien cells.
Sequence:	MDAVLLEHFP GGLDTFSPY FDEEDFFTDQ SSRDPLESD ELLGDEQAEV EFLSHQLHEY CYRDGACLLL QPAPSAAPHA LAPPPLGDPG EPEDNVSYCC DAGAPLAAFP YSPGSPPSCL AYPCAAVLSP GARLGGLNGA AAAAAARRRR RVRSEAEQQ LRQAANVRER RRMQSINDAF EGLRSHIPTL PYEKRLSKVD TLRLAIGYIN FLSELVQADL PLRGSGAGGC GPGGSRHLG EDSPGNQAQK VIICHRGTRS PSPSDPDYGL PPLAGHSLSW TDEKQLKEQN IIRTAKVWTP EDPRKLNSKS FDNIEPEPPF EFVS <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>
Characteristics:	Key Benefits: <ul style="list-style-type: none"> <li>Made to order protein - from design to production - by highly experienced protein experts.</li> </ul>

## Product Details

- 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:	PTF1A
Alternative Name:	Ptf1a ( <a href="#">PTF1A Products</a> )
Background:	<p>Pancreas transcription factor 1 subunit alpha (Pancreas-specific transcription factor 1a) (bHLH transcription factor p48) (p48 DNA-binding subunit of transcription factor PTF1) (PTF1-p48),FUNCTION: Transcription factor implicated in the cell fate determination in various organs. Binds to the E-box consensus sequence 5'-CANNTG-3'. Plays a role in early and late pancreas development and differentiation. Important for determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates. May be involved in the maintenance of exocrine pancreas-specific gene expression including ELA1 and amylase. Required for the formation of pancreatic acinar and ductal cells. Plays an important role in cerebellar development. Directly regulated by FOXN4 and RORC during retinal development, FOXN4-PTF1A pathway plays a central role in directing the differentiation of retinal progenitors towards horizontal and amacrine fates. {ECO:0000269 PubMed:11562365, ECO:0000269 PubMed:12185368, ECO:0000269 PubMed:15543146, ECO:0000269 PubMed:17075007, ECO:0000269 PubMed:9851981}.</p>
Molecular Weight:	35.2 kDa

### Target Details

UniProt:	<a href="#">Q9QX98</a>
Pathways:	<a href="#">Retinoic Acid Receptor Signaling Pathway</a>

### 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