

## Recombinant Human PTF1A Protein, His-tagged

**Cat. No.** PTF1A-2638H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PTF1A Protein (Ala48-Pro115) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala48-Pro115
<b>Description</b>	This gene encodes a protein that is a component of the pancreas transcription factor 1 complex (PTF1) and is known to have a role in mammalian pancreatic development. The protein plays a role in determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates. The protein is thought to be involved in the maintenance of exocrine pancreas-specific gene expression including elastase 1 and amylase. Mutations in this gene cause cerebellar agenesis and loss of expression is seen in ductal type pancreas cancers.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 8.3 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 97%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PTF1A pancreas specific transcription factor, 1a [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">PTF1A</a>
<b>Synonyms</b>	PTF1A; pancreas specific transcription factor, 1a; pancreas transcription factor 1 subunit alpha; bHLHa29; PTF1 p48; class II bHLH protein PTF1A; bHLH transcription factor p48; class A basic helix-loop-helix protein 29; pancreas-specific transcription factor 1a; exocrine pancreas-specific transcription factor p48; p48 DNA-binding subunit of transcription factor PTF1; PTF1-p48;
<b>Gene ID</b>	<a href="#">256297</a>
<b>mRNA Refseq</b>	<a href="#">NM_178161</a>
<b>Protein Refseq</b>	<a href="#">NP_835455</a>

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<b>MIM</b>	607194
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<b>UniProt ID</b>	Q7RTS3
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