

Recombinant Human PTF1A Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PTF1A Protein (Ala48-Pro115) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala48-Pro115
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 8.3 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 97%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PTF1A pancreas specific transcription factor, 1a [Homo sapiens (human)]
Official Symbol	PTF1A
Synonyms	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;
Gene ID	256297
mRNA Refseq	NM_178161
Protein Refseq	NP_835455

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MIM	607194
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UniProt ID	Q7RTS3
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