



Recombinant Human Pancreas transcription factor 1 subunit alpha (PTF1A)

Product Code	CSB-EP752531HU
Abbreviation	PTF1A
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q7RTS3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDAVLLEHFP GGLDAFPSSY FDEDDFFTDQ SSRDPLEDGD ELLADEQAEV EFLSHQLHEY CYRDGACLLL QPAPPAAPLA LAPPSSGGLG EPDDGGGGGY CCETGAPPGG FPYSPGSPPS CLAYPCAGAA VLSPGARLRG LSGAAAAAAR RRRRVRSEAE LQQLRQAANV RERRRMQSIN DAFEGLRSHI PTLPYEKRLS KVDTLRLAIG YINFLSELVQ ADLPLRGGGA GCGGGPGGGG RLGGDSPGSQ AQKVIICHRG TRSPSPSPDP YGLPPLAGHS LSWTDEKQLK EQNIIRTAKV WTPEDPRKLN SKSSFNNIEN EPPFEFVS
Source	E.coli
Target Names	PTF1A
Protein Names	Recommended name: Pancreas transcription factor 1 subunit alpha Alternative name(s): Class A basic helix-loop-helix protein 29 Short name= bHLHa29 Pancreas-specific transcription factor 1a bHLH transcription factor p48 p48 DNA-b
Expression Region	1-328
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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