

Datasheet for ABIN7563425
PDX1 Protein (AA 1-284) (His tag)



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Overview

Quantity:	1 mg
Target:	PDX1
Protein Characteristics:	AA 1-284
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDX1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pdx1 Protein expressed in mammalien cells.
Sequence:	MNSEEQYYAA TQLYKDPCAF QRGVPVEFSA NPPACLYMGR QPPPPPPPPQF TSSLGSLEQG SPPDISPYEV PPLASDDPAG AHLHHHLPAQ LGLAHPPPGP FPNGTEPGGL EEPNRVQLPF PWMKSTKAHA WKGQWAGGAY TAEPEENKRT RTAYTRAQLL ELEKEFLFNK YISRPRRVEL AVMLNLTERH IKIWFQNRRM KWKKEEDKKR SSGTPSGGGG GEEPEQDCAV TSGEELLAVP PLPPPGGAVP PGVPAAVREG LLPSGLSVSP QPSSIAPLRP QEPR 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.
Characteristics:	Key Benefits: Made to order protein - from design to production - by highly experienced protein experts.

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:	PDX1
Alternative Name:	Pdx1 (PDX1 Products)
Background:	Pancreas/duodenum homeobox protein 1 (Insulin promoter factor 1) (IPF-1) (Islet/duodenum homeobox 1) (IDX-1) (Somatostatin-transactivating factor 1) (STF-1),FUNCTION: Activates insulin and somatostatin gene transcription. Key regulator of islet peptide hormone expression but also responsible for the development of the pancreas, most probably by determining maturation and differentiation of common pancreatic precursor cells in the developing gut. As part of a PDX1:PBX1b:MEIS2b complex in pancreatic acinar cells is involved in the transcriptional activation of the ELA1 enhancer, the complex binds to the enhancer B element and cooperates with the transcription factor 1 complex (PTF1) bound to the enhancer A element. Binds the DNA sequence 5'-CC[CT]TAATGGG-3'. {ECO:0000269 PubMed:11279116, ECO:0000269 PubMed:12219087, ECO:0000269 PubMed:9710595}.
Molecular Weight:	31.0 kDa
UniProt:	P52946
Pathways:	Nuclear Receptor Transcription Pathway , Positive Regulation of Peptide Hormone Secretion , Steroid Hormone Mediated Signaling Pathway , Hormone Transport , Carbohydrate Homeostasis

Target Details

, [Chromatin Binding](#), [Maintenance of Protein Location](#)

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