

Datasheet for ABIN7562553

PKNOX1 Protein (AA 1-436) (His tag)



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Overview

Quantity:	1 mg
Target:	PKNOX1
Protein Characteristics:	AA 1-436
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PKNOX1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pknox1 Protein expressed in mammalien cells.
Sequence:	MMATQTLSD SYQDGQMQV VTELKTEQDP NCSDPDAEGV SPPPIESQTP MDADKQAIYR HPLFPLLALL FEKCEQSTQG SEGTTASFD VDIENTVRKQ EKDGKPFCE DPETDNLMVK AIQVLRHLL ELEKVNELCK DFCSRYIACL KTKMNSSETLL SGEPGSPYSP VQSQQIQSAI TGTLSPQGIV VPASALQQGN VTMA TVAGGT VYQPVTVVTP QGQVVTQALS PGTIRIQNSQ LQLQLNQDLS ILHQEDGSSK NKRQVLPKHA TNVMRSWLFQ HIGHPYPTED EKKQIAAQTN LTLQVNNWF INARRRILQP MLDSSCSETP KTKKKPAQNR PVQRFWPDSL ASGVAQATPS ELAMSEGAVV TITTPVNMNV DSLQSLSSDG ATLAVQQVMM AGQSEDESVD STEDEGGALA PTHISGLVLE NSDSLQ 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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- 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
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Grade:	custom-made
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Target Details

Target:	PKNOX1
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Alternative Name:	Pknox1 (PKNOX1 Products)
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Background:	Homeobox protein PKNOX1 (PBX/knotted homeobox 1),FUNCTION: Activates transcription in the presence of PBX1A and HOXA1. {ECO:0000269 PubMed:29465778}., FUNCTION: (Microbial infection) In complex with PBX1, binds to the 5'-TGATTGAC-3' consensus sequence in the U5 region of Moloney murine leukemia virus and promotes viral transcription. {ECO:0000269 PubMed:12529389}.
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Molecular Weight:	47.5 kDa
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UniProt:	O70477
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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.
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Restrictions:	For Research Use only
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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