

Datasheet for ABIN7560400

NKX6-1 Protein (AA 1-365) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	NKX6-1
Protein Characteristics:	AA 1-365
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NKX6-1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Nkx6-1 Protein expressed in mammalian cells.
Sequence:	<p>MLAVGAMEGP RQSAFLLSSP PLAALHSM AE MKTPLYPAA Y PPLPTGPPSS SSSSSSSSSP</p> <p>SPPLGSHNPG GLKPPAAGGL SSLGSPPQQL SAATPHGIND ILSRPSMPVA SGAALPSASP</p> <p>SGSSSSSSSS ASATSASAAA AAAAAAAAAA ASSPAGLLAG LPRFSSLSP PPPPGLYFSP</p> <p>SAAVA AVGR YPKPLAELPG RTPIFWPGVM QSPPWRDARL ACTPHQGSIL LDKDGKRKHT</p> <p>RPTFSGQQIF ALEKTFEQTK YLAGPERARL AYSLGMTESQ VKVWFQNRRT KWRKKHAAEM</p> <p>ATAKKKQDSE TERLKGTSN EEDDDDDYNKP LDPNSDDEKI TQLLKHKHSS GGSLLHASE AEGSS</p> <p>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.</p>
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:	NKX6-1
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Alternative Name:	Nkx6-1 (NKX6-1 Products)
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Background:	Homeobox protein Nkx-6.1 (Homeobox protein NK-6 homolog A),FUNCTION: Transcription factor which binds to specific A/T-rich DNA sequences in the promoter regions of a number of genes. Required for the development of insulin-producing beta cells in the islets of Langerhans at the secondary transition (PubMed:11076772). Involved in transcriptional regulation of the insulin gene. Together with NKX2-2 and IRX3, restricts the generation of motor neurons to the appropriate region of the neural tube. Belongs to the class II proteins of neuronal progenitor factors, which are induced by SHH signals. {ECO:0000269 PubMed:10830170, ECO:0000269 PubMed:11076772}.
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Molecular Weight:	37.7 kDa
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UniProt:	Q99MA9
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Pathways:	Dopaminergic Neurogenesis, Positive Regulation of Peptide Hormone Secretion
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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