

Datasheet for ABIN7548982
LHX3 Protein (AA 1-397) (His tag)



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Overview

Quantity:	1 mg
Target:	LHX3
Protein Characteristics:	AA 1-397
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LHX3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LHX3 Protein expressed in mammalian cells.
Sequence:	<p>MLLETGLERD RARPGAAAVC TLGGTREIPL CAGCDQHILD RFILKALDRH WSKCLKCSD</p> <p>CHTPLAERCF SRGESVYCKD DFFKRFGTKC AACQLGIPPT QVVRRAQDFV YLHLCFACVV</p> <p>CKRQLATGDE FYLMEDSRLV CKADYETAKQ REAEATAKRP RTTITAKQLE TLKSAYNTSP</p> <p>KPARHVVREQL SSETGLDMRV VQVWFQNRRA KEKRLKKDAG RQRWGQYFRN MKRSRGGSKS</p> <p>DKDSVQEGQD SDAEVSFPDE PSLAEMGPAN GLYGSLGEPT QALGRPSGAL GNFSLEHGGL</p> <p>AGPEQYRELR PGSPYGVPPS PAAPQSLPGP QPLLSSLVYP DTSGLGLVPSG APGGPPPMRV</p> <p>LAGNGPSSDL STGSSGGYPD FPASPASWLD EVDHAQF 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	LHX3
Alternative Name:	LHX3 (LHX3 Products)
Background:	<p>LIM/homeobox protein Lhx3 (LIM homeobox protein 3),FUNCTION: Transcription factor. Recognizes and binds to the consensus sequence motif 5'-AATTAATTA-3' in the regulatory elements of target genes, such as glycoprotein hormones alpha chain CGA and visual system homeobox CHX10, positively modulating transcription, transcription can be co-activated by LDB2. Synergistically enhances transcription from the prolactin promoter in cooperation with POU1F1/Pit-1 (By similarity). Required for the establishment of the specialized cells of the pituitary gland and the nervous system (PubMed:21149718). Involved in the development of interneurons and motor neurons in cooperation with LDB1 and ISL1 (By similarity). {ECO:0000250 UniProtKB:P50481, ECO:0000269 PubMed:21149718}.</p>
Molecular Weight:	43.4 kDa
UniProt:	Q9UBR4

Application Details

Application Notes:	We expect the protein to work for functional studies. 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
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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