

Datasheet for ABIN7563363  
**LHX3 Protein (AA 1-400) (His tag)**



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## Overview

Quantity:	1 mg
Target:	LHX3
Protein Characteristics:	AA 1-400
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LHX3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Lhx3 Protein expressed in mammalian cells.
Sequence:	<p>MLLEAELDCH RERPGAPGAS ALCTFSRTPE IPMCAGCDQH ILDRFILKAL DRHWHSKCLK  CSDCHVPLAE RCFSRGESVY CKDDFFKRFG TKCAACQLGI PPTQVVRRAQ DFVYHLHCFA  CVVCKRQLAT GDEFYLMEDS RLVCKADYET AKQREAEATA KRPRTTITAK QLETLKSAYN  TSPKPARHVR EQLSSETGLD MRVVQVWFQN RRAKEKRLKK DAGRQRWGQY FRNMKRSRGS  SKSDKDSIQE GQDSDAEVSF TDEPSMADMG PANGLYSSLG EPAPALGRP V GGLGSFTLDH  GGLTGPEQYR ELRPGSPYGI PPSPAAPQSL PGPQPLLSSL VYPDTNLSLV PSGPPGGPPP  MRVLAGNGPS SDLSTESSSG YPDFPASPAS WLDEVDHAQF <b>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.</b></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:	LHX3
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Alternative Name:	Lhx3 ( <a href="#">LHX3 Products</a> )
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Background:	<p>LIM/homeobox protein Lhx3 (LIM homeobox protein 3) (Homeobox protein LIM-3) (Homeobox protein P-LIM),FUNCTION: Transcription factor (PubMed:18539116, PubMed:10593900, PubMed:12150931). 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 (PubMed:18539116, PubMed:10593900, PubMed:9192866).</p> <p>Synergistically enhances transcription from the prolactin promoter in cooperation with POU1F1/Pit-1 (PubMed:7708713). Required for the establishment of the specialized cells of the pituitary gland and the nervous system (By similarity). Involved in the development of interneurons and motor neurons in cooperation with LDB1 and ISL1 (PubMed:12150931, PubMed:18539116). {ECO:0000250 UniProtKB:Q9UBR4, ECO:0000269 PubMed:10593900, ECO:0000269 PubMed:12150931, ECO:0000269 PubMed:18539116, ECO:0000269 PubMed:7708713, ECO:0000269 PubMed:9192866}.</p>
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Molecular Weight:	44.0 kDa
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## Target Details

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UniProt: [P50481](#)

## Application Details

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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

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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