

Datasheet for ABIN7557823  
**DLX1 Protein (AA 1-255) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DLX1
Protein Characteristics:	AA 1-255
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DLX1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Dlx1 Protein expressed in mammalian cells.
Sequence:	MTMTMPESL NSPVSGKAVF MEFGPPNQQM SPSPMSHGHY SMHCLHSAGH SQPDGAYSSA SSFSRPLGYP YVNSVSSHAS SPYISSVQSY PGSASLAQSR LEDPGADSEK STVVEGGEVR FNGKGGKIRK PRTIYSSLQL QALNRRFQQT QYLALPERAE LAASLGLTQT QVKIWFQNKR SKFKKLMKQG GAALEGSALA NGRALSAGSP PVPPGWNPNSSSGKSGSSA GSYVPSYTSW YPSAHQEAMQ QPQLM <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>
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.
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	DLX1
Alternative Name:	Dlx1 ( <a href="#">DLX1 Products</a> )
Background:	Homeobox protein DLX-1,FUNCTION: Plays a role as a transcriptional activator or repressor (PubMed:21875655). Inhibits several cytokine signaling pathways, such as TGFB1, activin-A/INHBA and BMP4 by interfering with the transcriptional stimulatory activity of transcription factors, such as MSX2, FAST2, SMAD2 and SMAD3 during hematopoietic cell differentiation (By similarity). Plays a role in terminal differentiation of interneurons, such as amacrine and bipolar cells in the developing retina (PubMed:21875655). Likely to play a regulatory role in the development of the ventral forebrain (PubMed:1676488). May play a role in craniofacial patterning and morphogenesis and may be involved in the early development of diencephalic subdivisions (PubMed:1676488). {ECO:0000250 UniProtKB:P56177, ECO:0000269 PubMed:1676488, ECO:0000269 PubMed:21875655}.
Molecular Weight:	27.3 kDa
UniProt:	<a href="#">Q64317</a>

## Application Details

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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

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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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