

Datasheet for ABIN7563258
CDX2 Protein (AA 1-311) (His tag)



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Overview

Quantity:	1 mg
Target:	CDX2
Protein Characteristics:	AA 1-311
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CDX2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Cdx2 Protein expressed in mammalien cells.
Sequence:	<p>MYVSYLLDKD VSMYPSSVRH SGGLNLAPQN FVSPQYPDY GGYHVAAAAA ATANLDSAQS</p> <p>PGPSWPTAYG APLREDWNGY APGGAAAANA VAHGLNGGSP AAAMGYSSPA EYHAHHHPHH</p> <p>HPHHPAASPS CASGLLQTLN LGPPGPAATA AAEQLSPSGQ RRNLCEWMRK PAQQSLGSQV</p> <p>KTRTKDKYRV VYTDHQRLLEL EKEFHFSRYI TIRRKSELAA TLGLSERQVK IWFQNRRAKE</p> <p>RKIKKKQQQQ QQQQQQPPQ PPPQSQPQP GALRSVPEPL SPVTSLQGSV PGSPGVGLGP</p> <p>AGGVLNSTVT Q 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:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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
Grade:	custom-made

Target Details

Target:	CDX2
Alternative Name:	Cdx2 (CDX2 Products)
Background:	<p>Homeobox protein CDX-2 (Caudal-type homeobox protein 2),FUNCTION: Transcription factor which regulates the transcription of multiple genes expressed in the intestinal epithelium (PubMed:9933478, PubMed:16027724). Binds to the promoter of the intestinal sucrase-isomaltase SI and activates SI transcription (PubMed:7935448). Binds to the DNA sequence 5'-ATAAAACTTAT-3' in the promoter region of VDR and activates VDR transcription (PubMed:9933478). Binds to and activates transcription of LPH (By similarity). Activates transcription of CLDN2 and intestinal mucin MUC2 (PubMed:16027724). Binds to the 5'-AATTTTACACACCT-3' DNA sequence in the promoter region of CA1 and activates CA1 transcription (PubMed:9512360). Important in broad range of functions from early differentiation to maintenance of the intestinal epithelial lining of both the small and large intestine. Binds preferentially to methylated DNA (By similarity).</p> <p>{ECO:0000250 UniProtKB:Q04649, ECO:0000250 UniProtKB:Q99626, ECO:0000269 PubMed:16027724, ECO:0000269 PubMed:7935448, ECO:0000269 PubMed:9512360, ECO:0000269 PubMed:9933478}.</p>
Molecular Weight:	33.5 kDa

Target Details

UniProt: [P43241](#)

Pathways: [Peptide Hormone Metabolism, Stem Cell Maintenance](#)

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.

Restrictions: For Research Use only

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