

## Mouse CDX2, His Tag, CHO

Catalog Number LDG025PMM

Package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Mouse

#### Affinity Tag

His Tag (C-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Endotoxin Level

<0.1 EU per 1 µg of the protein by the LAL method.

#### Expression System

CHO

#### Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 24.3 kDa. The protein migrates as 35-50 kDa under reducing condition (SDS-PAGE analysis).

#### Form

Lyophilized

### Background

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### Background

CDX2 (Caudal Type Homeobox 2) protein is a transcription factor crucial for intestinal development and homeostasis. It regulates the expression of genes involved in intestinal epithelial differentiation, cell proliferation, and barrier function. CDX2 is predominantly expressed in the intestinal epithelium, where it plays a key role in maintaining intestinal integrity and function. Dysregulation of CDX2 expression is associated with intestinal disorders, including inflammatory bowel disease and colorectal cancer. Understanding CDX2's functions in intestinal biology is essential for elucidating the molecular mechanisms underlying gastrointestinal diseases and developing targeted therapies for these conditions.

### Uniprot ID

P43241

### Synonyms

Homeobox protein CDX-2, Caudal-type homeobox protein 2

### Sequence Note

Met1-Gln311

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 0.2 mg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

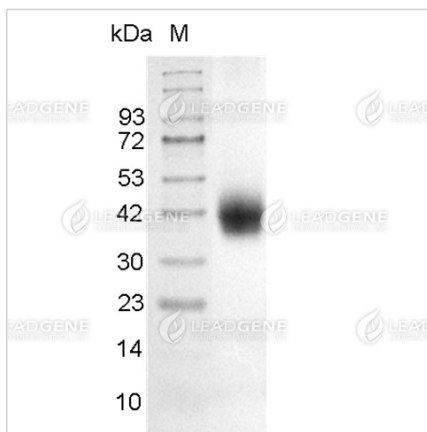
### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Image



SDS-PAGE analysis of recombinant mouse CDX2.

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