

## Recombinant Human CDX1

**Cat. No.** CDX1-27916TH    **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant fragment of Human Cdx1 with N-terminal proprietary tag. Predicted MW 35.53kDa.                                                                                                                                                                                                                                                               |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>             | Wheat Germ                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>      | 90 amino acids                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>        | This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded DNA-binding protein regulates intestine-specific gene expression and enterocyte differentiation. It has been shown to induce expression of the intestinal alkaline phosphatase gene, and inhibit beta-catenin/T-cell factor transcriptional activity. |
| <b>Molecular Weight</b>   | 35.530kDa inclusive of tags                                                                                                                                                                                                                                                                                                                              |
| <b>Tissue specificity</b> | Intestinal epithelium.                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>               | Liquid                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>             | Proprietary Purification                                                                                                                                                                                                                                                                                                                                 |
| <b>Storage buffer</b>     | pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl                                                                                                                                                                                                                                                                                                    |

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|                                 |                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Storage</b>                  | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.           |
| <b>Sequences of amino acids</b> | GAQRPTPYEWMRRSVAAGGGGGSGKTRTKDKYRVVYTDHQRLELEKEFHYSRYIT IRRKSELAANLGLTERQVKIWFQNRRAKERKVNKK*        |
| <b>Sequence Similarities</b>    | Belongs to the Caudal homeobox family.Contains 1 homeobox DNA-binding domain.                       |
| <b>GENE INFORMATION</b>         |                                                                                                     |
| <b>Gene Name</b>                | CDX1 caudal type homeobox 1 [ Homo sapiens ]                                                        |
| <b>Official Symbol</b>          | CDX1                                                                                                |
| <b>Synonyms</b>                 | CDX1; caudal type homeobox 1; caudal type homeo box transcription factor 1; homeobox protein CDX-1; |
| <b>Gene ID</b>                  | 1044                                                                                                |
| <b>mRNA Refseq</b>              | NM_001804                                                                                           |
| <b>Protein Refseq</b>           | NP_001795                                                                                           |
| <b>MIM</b>                      | 600746                                                                                              |
| <b>Uniprot ID</b>               | P47902                                                                                              |
| <b>Chromosome Location</b>      | 5q32                                                                                                |
| <b>Pathway</b>                  | Regulation of Wnt-mediated beta catenin signaling and target gene transcription,                    |

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organism-specific biosystem;

**Function**

transcription regulatory region sequence-specific DNA binding;

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