

Recombinant Human CDX2, His-tagged

Cat. No. CDX2-11075H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDX2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-180a.a.
Description	The protein encoded by this gene shares a significant similarity with Schizosaccharomyces pombe cdc5 gene product, which is a cell cycle regulator important for G2/M transition. This protein has been demonstrated to act as a positive regulator of cell cycle G2/M progression. It was also found to be an essential component of a non-snRNA spliceosome, which contains at least five additional protein factors and is required for the second catalytic step of pre-mRNA splicing.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4, 17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	CDX2 caudal type homeobox 2 [Homo sapiens]
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Official Symbol	CDX2
Synonyms	CDX2; caudal type homeobox 2; caudal type homeo box transcription factor 2 , CDX3; homeobox protein CDX-2; caudal-type homeobox protein 2; caudal type homeobox transcription factor 2; caudal type homeo box transcription factor 2; CDX3; CDX-3;
Gene ID	1045
mRNA Refseq	NM_001265
Protein Refseq	NP_001256
MIM	600297
UniProt ID	Q99626
Chromosome Location	13q12.2
Pathway	Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Regulation of Insulin Secretion, organism-specific biosystem; Synthesis, Secretion, and Inactivation of Glucagon-like Peptide-1 (GLP-1), organism-specific biosystem;
Function	sequence-specific DNA binding transcription factor activity; transcription corepressor activity; transcription regulatory region sequence-specific DNA binding;

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