

Recombinant Human CDX1, His-tagged

Cat. No. CDX1-11074H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDX1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-50a.a.
Description	The protein encoded by this gene was identified by its strong similarity with <i>Saccharomyces cerevisiae</i> Cdc45, an essential protein required to the initiation of DNA replication. Cdc45 is a member of the highly conserved multiprotein complex including Cdc6/Cdc18, the minichromosome maintenance proteins (MCMs) and DNA polymerase, which is important for early steps of DNA replication in eukaryotes. This protein has been shown to interact with MCM7 and DNA polymerase alpha. Studies of the similar gene in <i>Xenopus</i> suggested that this protein play a pivotal role in the loading of DNA polymerase alpha onto chromatin. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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GENE INFORMATION

Gene Name	CDX1 caudal type homeobox 1 [Homo sapiens]
Official Symbol	CDX1
Synonyms	CDX1; caudal type homeobox 1; caudal type homeo box transcription factor 1; homeobox protein CDX-1; caudal-type homeobox protein 1; caudal-type homeobox protein CDX1; caudal type homeobox transcription factor 1; MGC116915;
Gene ID	1044
mRNA Refseq	NM_001804
Protein Refseq	NP_001795
MIM	600746
UniProt ID	P47902
Chromosome Location	5q32
Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;
Function	transcription regulatory region sequence-specific DNA binding;

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