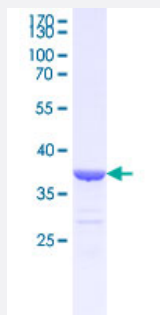


CDX2 (Human) Recombinant Protein (Q01)

Catalog # H00001045-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDX2 partial ORF (AAH14461.1, 1 a.a. - 100 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	MYVSYLLDKDVSMYPSSVRHSGGLNLAPQNFVSPQYPDYGGYHVAIAAAAAAAAAANLDSAQSPGP SWPAAYGAPLREDWNGYAPGAAAAANAVAHGLNGGS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (97); Rat (98)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CDX2

Entrez GeneID [1045](#)

GeneBank Accession# [BC014461.1](#)

Protein Accession# [AAH14461.1](#)

Gene Name CDX2

Gene Alias CDX-3, CDX3

Gene Description caudal type homeobox 2

Omim ID [600297](#)

Gene Ontology [Hyperlink](#)

Gene Summary The level and beta-cell specificity of insulin gene expression are regulated by a set of nuclear proteins that bind to specific sequences within the promoter of the insulin gene (INS; MIM 176730) and interact with RNA polymerase to activate or repress transcription. The proteins LMX1 (MIM 600298) and CDX3 are homeodomain proteins that bind an A/T-rich sequence in the insulin promoter and stimulate its transcription (German et al., 1994 [PubMed 7698771]).[supplied by OMIM]

Other Designations OTTHUMP00000018176|caudal type homeo box transcription factor 2|caudal type homeobox transcription factor 2

Disease

- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)