

Recombinant Human DLX3

Cat. No. DLX3-26675TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human DLX3 with N terminal proprietary tag, predicted mwt: 57.31 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	287 amino acids
Description	Many vertebrate homeo box-containing genes have been identified on the basis of their sequence similarity with Drosophila developmental genes. Members of the Dlx gene family contain a homeobox that is related to that of Distal-less (Dll), a gene expressed in the head and limbs of the developing fruit fly. The Distal-less (Dlx) family of genes comprises at least 6 different members, DLX1-DLX6. Trichodontoosseous syndrome (TDO), an autosomal dominant condition, has been correlated with DLX3 gene mutation. This gene is located in a tail-to-tail configuration with another member of the gene family on the long arm of chromosome 17. Mutations in this gene have been associated with the autosomal dominant conditions trichodontoosseous syndrome and amelogenesis imperfecta with taurodontism.
Molecular Weight	57.310kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MSGSFDRKLSSILTDISSSLSCHAGSKDSPTLPESVTDL GYYSAPQHDYYSGQPY GQTVNPTYHHQFNLNGLAGTGAY SPKSEYTYGASYRQYGAYREQPLPAQDPVSV KEEPEAEVR MVNGKPKKVRKPRTIYSSYQLAALQRRFQKAQYLALPERA ELAAQL GLTQTQVKIWFQNRRSKFKKLYKNGEVPLEHSPN NSDSMACNSPPSPALWDTSSH STPAPARSQLPPPLPYSAS PSYDDPTNSWYHAQNLSGPHLQQPPQPATLHHAS PGPP PNP GAVY
Sequence Similarities	Belongs to the distal-less homeobox family.Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	DLX3 distal-less homeobox 3 [Homo sapiens]
Official Symbol	DLX3
Synonyms	DLX3; distal-less homeobox 3; distal less homeo box 3; homeobox protein DLX-3;
Gene ID	1747
mRNA Refseq	NM_005220
Protein Refseq	NP_005211
MIM	600525

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Uniprot ID	O60479
Chromosome Location	17q21.33
Function	sequence-specific DNA binding transcription factor activity; transcription regulatory region sequence-specific DNA binding;

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