

Recombinant human DLX3, His-tagged

Cat. No. DLX3-2482H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DLX3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
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 DLX3 have been associated with the autosomal dominant conditions trichodontoosseous syndrome and amelogenesis imperfecta with taurodontism. Recombinant human DLX3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Molecular Mass	23.4kDa (209aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGSGFDR KLSSILTDIS SSLSCHAGSK DSPTLPESSV TDLGYYSAPQ HDYYSGQPYG QTVNPTYHYH QFNLNGLAGT

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GAYSPKSEYT YGASYRQYGA YREQPLPAQD PVSVKEEPEA EVRMVNGKPK
KVRKPRTIYS SYQLAALQRR FQKAQYLALP ERAELAAQLG LTQTQVKIWF
QNRRSKFKK

Purity >90 % by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

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; AI4; TDO;

Gene ID [1747](#)

mRNA Refseq [NM_005220](#)

Protein Refseq [NP_005211](#)

MIM [600525](#)

UniProt ID [O60479](#)

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