

Recombinant Human Distal-less Homeobox 4

Cat. No. DLX4-5388H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DLX4 contains amino acids 103-168.
Species	Human
Source	E.coli
Protein Length	103-168 a.a.
Description	Homeobox protein DLX4 is a protein that in humans is encoded by the DLX4 gene. 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. The DLX proteins are postulated to play a role in forebrain and craniofacial development. Three transcript variants have been described for this gene, however, the full length nature of one variant has not been described. Studies of the two splice variants revealed that one encoded isoform functions as a repressor of the beta-globin gene while the other isoform lacks that function.
Form	Sterile filtered liquid in 50 mM Tris-Acetate, pH 7.5 + 1 mM EDTA + 20% glycerol.
Molecular Weight	35 kDa
Concentration	0.1 mg/ml

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Western Blot; ELISA;Inhibition Assays; The optimal concentration should be determined by the userfor each specific application.
Storage	Stable for 1 year at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
OfficialSymbol	DLX4
GENE INFORMATION	
Gene Name	DLX4 distal-less homeobox 4 [Homosapiens]
Synonyms	DLX4; distal-lesshomeobox 4; BP1; DLX7; DLX8; DLX9; homeobox protein DLX-4; beta protein 1;Beta protein 1; OTTHUMP00000220790; OTTHUMP00000220791; homeobox proteinDLX-7; homeobox protein DLX-8; distal-less homeo box 7; distal-less homeo box9; Homeobox protein DLX-7
Gene ID	1748
mRNA Refseq	NM_001934
Protein Refseq	NP_001925
MIM	601911
UniProt ID	Q92988
Chromosome Location	17q21.33
Function	protein binding;sequence-specific DNA binding; sequence-specific DNA binding transcriptionfactor activity; transcription regulatory region sequence-specific

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DNA binding

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