

## Recombinant Human DLX5 protein, GST-tagged

Cat. No. DLX5-28H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human DLX5(1 a.a. - 289 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.

**Species** Human

**Source** Wheat Germ

**ProteinLength** 1-289 a.a.

**Description** This gene encodes a member of a homeobox transcription factor gene family similar to the Drosophila distal-less gene. The encoded protein may play a role in bone development and fracture healing. Mutation in this gene, which is located in a tail-to-tail configuration with another member of the family on the long arm of chromosome 7, may be associated with split-hand/split-foot malformation.

**Form** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Molecular Mass** 57.53 kDa

**AA Sequence**  
MTGVFDRRVPSIRSGDFQAPFQTSAAAMHHPSQESPTLPESATDSDYYSPTGGAP  
HGYCSPTSASYGKALNPYQY QYHGVNGSAGSYPKAYADYSYASSYHQYGGAYN  
RVPSATNQPEKEVTEPEVRMVNGKPKKVRKPRTIYSSFQLA ALQRRFQKTQYLALP  
ERAELAASLGLTQTQVKIWFQNKRSKIKKIMKNGEMPPEHSPSSSDPMACNSPQSP  
AVWE PQGSSRSLSHHPHAHPPTSNQSPASSYLENSASWYTSAAASSINSHLPPPGS  
LQHPLALASGTLY

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	DLX5 distal-less homeobox 5 [ Homo sapiens ]
<b>Official Symbol</b>	DLX5
<b>Synonyms</b>	DLX5; distal-less homeobox 5; distal less homeo box 5; homeobox protein DLX-5; distal-less homeo box 5; split hand/foot malformation type 1 with sensorineural hearing loss; SHFM1D;
<b>Gene ID</b>	1749
<b>mRNA Refseq</b>	NM_005221
<b>Protein Refseq</b>	NP_005212
<b>MIM</b>	600028
<b>UniProt ID</b>	P56178
<b>Chromosome Location</b>	7q21.3
<b>Function</b>	HMG box domain binding; transcription regulatory region DNA binding; transcription regulatory region sequence-specific DNA binding;

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