

# Recombinant Full Length Human DLX1 Protein, GST-tagged

**Cat. No.** DLX1-4000HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human DLX1 full-length ORF ( NP_835221.2, 1 a.a. - 255 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 255 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a member of a homeobox transcription factor gene family similar to the Drosophila distal-less gene. The encoded protein is localized to the nucleus where it may function as a transcriptional regulator of signals from multiple TGF- $\beta$ superfamily members. The encoded protein may play a role in the control of craniofacial patterning and the differentiation and survival of inhibitory neurons in the forebrain. This gene is located in a tail-to-tail configuration with another member of the family on the long arm of chromosome 2. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 53.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MTMTTMPESLNSPVSGKAVFMEFGPPNQQMSPSPMSHGHYSMHCLHSAGHSQPD<br>GAYSSASSFSRPLGYPIVNSVSSHASSPYISSVQSYPGSASLAQSRLEDPGADSEK<br>STVVEGGGEVRFNGKGGKKIRKPRTIYSSLQLQALNRRFQQQTQYLALPERAELAASLGL<br>TQTQVKIWFQNKRSKFKKLMKQGGALEGSALANGRALSAGSPVPVPGWNPNSSS<br>GKGSGGNAGSYIPSYTSWYPSAHQEAMQQPQLM                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>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>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |

## GENE INFORMATION

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | DLX1 distal-less homeobox 1 [ Homo sapiens ]                                                                                   |
| <b>Official Symbol</b> | DLX1                                                                                                                           |
| <b>Synonyms</b>        | DLX1; distal-less homeobox 1; Distal-Less Homeobox 1; Distal-Less Homeo Box 1; homeobox protein DLX-1; distal-less homeo box 1 |
| <b>Gene ID</b>         | 1745                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_001038493                                                                                                                   |
| <b>Protein Refseq</b>  | NP_001033582                                                                                                                   |
| <b>MIM</b>             | 600029                                                                                                                         |
| <b>UniProt ID</b>      | P56177                                                                                                                         |

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