

AR51302PU-S**Human DLX3 (His-tag) - Purified****Alternate names:**

DLX-3, Homeobox protein DLX3

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[O60479](#)**NCBI:**[NP_005211](#)**GenelD:**[1747](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol**Description:**

Recombinant human DLX3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MGSMSGSFDR KLSSILTDIS SLSCHAGSK DSPTLPPESSV
TDLGYYSAPQ HDYYSQPYG QTVNPTYHH QFNLNLAGT GAYSPKSEYT YGASYRQYGA
YREQPLPAQD PVSVKEEPEA EVRMVNGKPK KVRKPRTIYS SYQLAALQRR FQKAQYLALP
ERAELAAQLG LTQTQVKIWF QNRRSKFKK

Molecular weight: 23.4 kDa (209aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Price J.A., et al (1998). Hum. Mol. Genet. 7:563-569

Pictures:

