Recombinant Human OTX2 Protein, His-tagged

Cat. No. OTX2-26H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human orthodenticle homeobox 2 (OTX2), transcript variant 1, full length, fused to HIS tag at N-terminal , expressed in E.Coli
Species	Human
Source	E.coli
Description	This gene encodes a member of the bicoid subfamily of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and plays a role in brain, craniofacial, and sensory organ development. The encoded protein also influences the proliferation and differentiation of dopaminergic neuronal progenitor cells during mitosis. Mutations in this gene cause syndromic microphthalmia 5 (MCOPS5) and combined pituitary hormone deficiency 6 (CPHD6). This gene is also suspected of having an oncogenic role in medulloblastoma. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Pseudogenes of this gene are known to exist on chromosomes two and nine. [provided by RefSeq, Jul 2012].
Molecular Mass	31.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1% Sarkosyl.
Full Length	Full L.

GENE INFORMATION

Gene Name	OTX2 orthodenticle homeobox 2 [Homo sapiens (human)]
Official Symbol	OTX2
Synonyms	OTX2; orthodenticle homeobox 2; CPHD6; MCOPS5; homeobox protein OTX2; orthodenticle homolog 2
Gene ID	5015
mRNA Refseq	NM_001270523
Protein Refseq	NP_001257452
MIM	600037
UniProt ID	P32243

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