

Recombinant Human OTX2 Protein, His-tagged

Cat. No. OTX2-25H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human OTX2 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	<p>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.</p>
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
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 ug/mL as determined by microplate BCA method.

GENE INFORMATION

Gene Name OTX2 orthodenticle homeobox 2 [Homo sapiens]

Official Symbol OTX2

Synonyms OTX2; orthodenticle homeobox 2; orthodenticle homolog 2 (Drosophila); homeobox protein OTX2; orthodenticle homolog 2; CPHD6; MCOPS5; MGC45000

Gene ID 5015

mRNA Refseq NM_021728

Protein Refseq NP_068374

MIM 600037

UniProt ID P32243

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