

Recombinant Human OTX1

Cat. No. OTX1-30526TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 10-116 of Human Otx1 with an N terminal proprietary tag; Predicted MWt 37.4 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	107 amino acids
Description	This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mouse is required for proper brain and sensory organ development and can cause epilepsy. Alternate splicing results in two transcript variants that encoded the same protein.
Molecular Weight	37.400kDa inclusive of tags
Tissue specificity	Expressed in brain.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	YGMNGLGLAGPAMDLLHPSVGYPATPRKQRRERTTFTRSQ LDVLEALFAKTRYPDI FMREEVALKINLPESRVQVWFKNR RAKCRQQQSGSGTKSRPAKKKSSPVR
Sequence Similarities	Belongs to the paired homeobox family. Bicoid subfamily. Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name	OTX1 orthodenticle homeobox 1 [Homo sapiens]
Official Symbol	OTX1
Synonyms	OTX1; orthodenticle homeobox 1; orthodenticle (Drosophila) homolog 1 , orthodenticle homolog 1 (Drosophila); homeobox protein OTX1;
Gene ID	5013
mRNA Refseq	NM_001199770
Protein Refseq	NP_001186699
MIM	600036
Uniprot ID	P32242
Chromosome Location	2p15
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor

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