

Recombinant Human TBR1, His-tagged

Cat. No. TBR1-29457TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-626 of Human TBR1 with an N terminal His tag; Predicted MWt 69 kDa.
Species	Human
Source	E.coli
ProteinLength	1-626 a.a.
Description	This gene is a member of a conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. A similar protein has been disrupted in mice and shown to be critical for early cortical development, and causes loss of projection neurons in the olfactory bulbs and olfactory cortex. The C-terminal region this similar protein was found to be necessary and sufficient for association with the guanylate kinase domain of calcium/calmodulin-dependent serine protein kinase.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 163 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Store at 4°C. Upon reconstitution store at -80oC.

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Sequences of amino acids

MQLEHCLSPSIMLSKKFLNVSSSYPHSGGSELVLHDHP II STTDNLERSSPLKKITRG
 MTNQSDTDNFPDSKDSPGDV QRSKLSPVLDGVSELRHSFDGSAADRYLLSQSSQP
 QSA ATAPSAMFPYPGQHGAHPAFSIGSPSRYMAHHPVITN GAYNSLLSNSSPQG
 YPTAGYPYPQQYGHSYQGAPFYQFSS TQPLVPGKAQVYLCNRPLWLKFHRHQT
 EMIITKQGRR MFPFLSFNISGLDPTAHYNIFVDVILADPNHWRFQGGK WVPCGKAD
 TNVQGNRVYMHPDSPNTGAHWMRQEISFGK LKLTNNKGASNNNGQMVVLQSLHK
 YQPRLVVEVNEDG TEDTSQPGRVQTFTFPETQFIAVTAYQNTDITQLKIDHNP FAK
 GFRDNYDTIYTGCDMDRLTPSPNDSPRSQIVPGAR YAMAGSFLQDQFVSNYAKAR
 FHPGAGAGPGPGTDRSVP HTNGLLSPQQAEDPGAPSPQRWFVTPANNRLDFAAS
 AY DTATDFAGNAATLLSYAAAGVKALPLQAAGCTGRPLGYYADPSGWGARSPQY
 CGTKSGSVLPCWPNSAAAAARMAGA NPYLGEEAEGLAAERSPLPPGAAEDAKPKD
 LSDSSWIE TPSSIKSIDS

GENE INFORMATION

Gene Name	TBR1 T-box, brain, 1 [Homo sapiens]
Official Symbol	TBR1
Synonyms	TBR1; T-box, brain, 1; T-box brain protein 1;
Gene ID	10716
mRNA Refseq	NM_006593
Protein Refseq	NP_006584
MIM	604616
Uniprot ID	Q16650

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Chromosome Location	2q24.2
Function	DNA binding; sequence-specific DNA binding transcription factor activity;