



# Recombinant Human T-box brain protein 1 (TBR1)

<b>Product Code</b>	CSB-YP618090HU
<b>Abbreviation</b>	TBR1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q16650
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>                     MQLEHCLSPS IMLSKFLNV SSSYPHSGGS ELVLHDHP II STTDNLERS S                      PLKKITRGMT NQSDTDNFPD SKDSPGDVQR SKLSPVLDGV SELRHSFDGS                      AADRYLLSQS SQPQSAATAP SAMFPYPGQH GPAHPAFSIG SPSRYMAHHP                      VITNGAYNSL LSNSSPQGYP TAGYPYPQQY GHSYQGAPFY QFSSTQPGLV                      PGKAQVYLCN RPLWLKFRH QTEMIITKQG RRMFPFLSFN ISGLDPTAHY                      NIFVDVILAD PNHWRFQGGK WVPCGKADTN VQGNRVYMHP                      DSPNTGAHWM RQEISFGK LK LTNNKGASNN NGQM VVLQSL HKYQPR LHVV                      EVNEDGTEDT SQPGRVQTFT FPETQFIAVT AYQNTDITQL KIDHNPFAGK                      FRDNYDTIYT GCDMDRLTPS PNDSPRSQIV PGARYAMAGS FLQDQFVSNY                      AKARFHPGAG AGPGPGTDRS VPHTNGLLSP QQAEDPGAPS                      PQRWFVTPAN NRLDFAASAY DTATDFAGNA ATLLSYAAAG VKALPLQAAG                      CTGRPLGYA DPSGWGARSP PQYCGTKSGS VLPCWPNSAA                      AAARMAGANP YLGEEAEGLA AERSPLPPGA AEDAKPKDLS DSSWIETPSS                      IKSIDSSDSG IYEQAKRRRI SPADTPVSES SSPLKSEVLA QRDCEK NCAK                      DISGY YGFYS HS                 </p>
<b>Source</b>	Yeast
<b>Target Names</b>	TBR1
<b>Protein Names</b>	Recommended name: T-box brain protein 1 Short name= T-brain-1 Short name= TBR-1 Alternative name(s): TES-56
<b>Expression Region</b>	1-682
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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