



Recombinant Mouse T-box brain protein 1 (Tbr1)

Product Code	CSB-YP717539MO
Abbreviation	Tbr1
Storage	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.
Uniprot No.	Q64336
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MQLEHCLSPS IMLSKKFLNV SSSYPHSGGS ELVLHDHPHII STTDNLERS PLKKITRGMT NQSDTDNFPD SKDSPGDVQR SKLSPVLDGV SELRHSFDGS AADRYLLSQS SQPQSAATAP SAMFPYPSQH GPAHPAFSIG SPSRYMAHHP VITNGAYNSL LSNSSPQGYP TAGYPYPQQY GHSYQGAPFY QFSSTQPGLV PGKAQVYLCN RPLWLKFHRH QTEMIITKQG RRMFPFLSFN ISGLDPTAHY NIFVDVILAD PNHWRFFQGGK WVPCGKADTN VQGNRVYMHP DSPNTGAHWM RQEISFGKLL LTNNKGASNN NGQMMVVLQSL HKYQPRHLHV EVNEDGTEDT SQPGRVQTFT FPETQFIAVT AYQNTDITQL KIDHNPFAKG FRDNYDTIYT GCDMDRLTPS PNDSPRSQIV PGARYAMAGS FLQDQFVSNY AKARFHPGAG AGPGPGTDRS VPHTNGLLSP QQAEDPGAPS PQRWFVTPAN NRLDFAASAY DTATDFAGNA ATLLSYAAAG VKALPLQAAG CTGRPLGYIA DPSGWGARSP PQYCGAKSGS VLPCWPNSAA AAARMAGANP YLGEEAEGLA AERSPLAPAA EDAKPKDLSD SSWIETPSSI KSIDSSDSGI YEQAKRRRIS PADTPVSESS SPLKSEVLAQ RDCEKNCAKD IGGYYGFYSH S
Source	Yeast
Target Names	Tbr1
Protein Names	Recommended name: T-box brain protein 1 Short name= T-brain-1 Short name= TBR-1 Alternative name(s): TES-56
Expression Region	1-681
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

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.

Shelf Life

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.