



Recombinant Rat Transcription factor 12 (Tcf12)

Product Code	CSB-MP023293RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P51514
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	<p>MNPQQQRMAA IGTDKELSDL LDFSAMFSPV VNSGKTRPTT LGSSQFSGSG MDERGGTTSW GTSGQPSPSY DSSRGFTDSP HYSDDLNSR LGTHEGLSPT PFMNSNLIGK TSERGSFSLY SRDSGLSGCQ SLLRQDLGL GSPAQLSSSG KPGTPYYSFS ATSSRRRPLH DSVALDPLQA KKVRKVPPGL PSSVYAPSPN SDDFNRESPS YPSPKPPTSM FASTFFMQDG THSSSDLWSS SNGMSQPGFG GILGTSTSHM SQSSSYGSLH SHDRLSYPPH SVSPTDINTS LPPMSSFHRG STSSSPYVAA SHTPPINGS D SILGTRGNAA GSSQTGDALG KALASIYSPD HTSSSFPSNP STPVGSPSPL TAGTSQWPRA GGQAPSSPSY ENSLHSLKNR VEQQLHEHLQ DAMSFLKDVC EQSRMEDRLD RLDDAIHVLR NHAVGPSTSL PTSHSDIHL LGPSHNAPIG NLNSNYGGSS LVTNSRSASM VGTHREDSVS LNGNHSVLS TVAASNTELN HKTPEFRGG VQNQSGSVVP TEIKTENKEK DENLHEPPSS DDMKSDDESS QKDIKVSSRG RTSSTNEDED LNPEQKIERE KERRMANNAR ERLRVRDINE AFKELGRMCQ LHLKSEKQPT KLLILHQAVA VILSLEQQVR ERNLNPKAAC LKRREEEKVS AASAEPTTL PGTHPGLSET TNPMGHL</p>
Source	Mammalian cell
Target Names	Tcf12
Protein Names	Recommended name: Transcription factor 12 Short name= TCF-12 Alternative name(s): DNA-binding protein HTF4 E-box-binding protein Salivary-specific cAMP response element-binding protein alpha Short name= SCBP-alpha Transcr
Expression Region	1-707
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 protein is a member of the basic helix-loop-helix (bHLH) E-protein family that recognizes the consensus binding site (E-box) CANNTG. This encoded protein is expressed in many tissues, among them skeletal muscle, thymus, B- and T-cells, and may participate in regulating lineage-specific gene expression through the formation of heterodimers with other bHLH E-proteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.



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.