



# Recombinant Rat Transcription factor 12 (Tcf12)

<b>Product Code</b>	CSB-EP023293RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P51514
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MNPQQQRMAA IGTDKELSDL LDFSAMFSPV VNSGKTRPTT LGSSQFSGSG  MDERGGTTSW GTSGQPSPSY DSSRGFTDSP HYSDDLNSR  LGTHEGLSPT PFMNSNLIGK TSERGSFSLY SRDSGLSGCQ SLLLRQDLGL  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>
<b>Source</b>	E.coli
<b>Target Names</b>	Tcf12
<b>Protein Names</b>	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
<b>Expression Region</b>	1-707
<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 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.



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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**

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.