



# Recombinant Rat Transcription factor GATA-4 (Gata4)

<b>Product Code</b>	CSB-EP009277RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P46152
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MYQSLAMAAN HGPPPGAYEA GGPGAFMHSA GAASSPVYVP TPRPSSVLG LSYLQGGGSG AASGATSGGS SGAGPSGAGP GTQQGSPGWS QAGAEGAAAYT PPPVSPRFSF PGTTGSLAAA AAAAAAREAA AYSSSGGAAG AGLAGREQYG RPGFAGSYSS PYPAYMADVG ASWAAAAAAS AGPFDSPVLH SLPGRANPAR HPNLDMFDDF SEGRECVNCG AMSTPLWRRD GTGHYLCNAC GLYHKMNGIN RPLIKPQRRR SASRRVGLSC ANCQTTTTTL WRRNAEGEPV CNACGLYMKL HGVPRPLAMR KEGIQTRKRK PKNLNKSKTP AGPPGESLPP SSGASSNSSN ATSSSSSSEE MRPIKTEPGL SSHYGHSSSM SQTFTVSGH GSSIHVLSA LKLSPQGYPS PVTQTSQASS KQDSWNSLVL ADSHGDIITA
<b>Source</b>	E.coli
<b>Target Names</b>	Gata4
<b>Protein Names</b>	Recommended name: Transcription factor GATA-4 Alternative name(s): DNA-binding protein GATA-GT2 GATA-binding factor 4
<b>Expression Region</b>	1-440
<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 encodes a member of the GATA family of zinc-finger transcription factors. Members of this family recognize the GATA motif which is present in the promoters of many genes. This protein is thought to regulate genes involved in embryogenesis and in myocardial differentiation and function. Mutations in this gene have been associated with cardiac septal defects.
<b>Reconstitution</b>	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.
<b>Shelf Life</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.