



# Recombinant Rat Hepatocyte nuclear factor 3-beta (Foxa2)

<b>Product Code</b>	CSB-EP008795RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P32182
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MLGAVKMEGH EPSDWSSYYA EPEGYSSVSN MNASLGMNGM NTYMSMSAAA MGSGSGNMSA GSMNMSSYVG AGMSPSLAGM SPGAGAMAGM SGSAGAAGVA GMGPHLSPSL SPLGGQAAGA MGGLAPYANM NSMSPMYGQA GLSRARDPKT YRRSYTHAKP PYSYISLITM AIQQSPNKML TLSEIQWIM DLFPFYRQNQ QRWQNSIRHS LSFNDFLKVP RAPDKPGKGS FWTLHPDSGN MFENGCYLRR QKRFKCENEL ALKEAAGAGS GGGKKTAPGT QASQVQLGEA AGSASETPAG TESPSSASP CQEHKRGLS ELKGTASAL SPPEPAPSPG QQQAHAHLL GPPHPGLPP EAHLKPEHHY AFNHPFSINN LMSSEQHHH SHHHHQPHKM DLKTYEQVMH YPGGYGSPMP GSLAMGPVTN KAGLDASPLA ADTSYYQGVY SRPIMNSS
<b>Source</b>	E.coli
<b>Target Names</b>	Foxa2
<b>Protein Names</b>	Recommended name: Hepatocyte nuclear factor 3-beta Short name= HNF-3-beta Short name= HNF-3B Alternative name(s): Forkhead box protein A2
<b>Expression Region</b>	1-458
<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 forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific genes such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. This gene has been linked to sporadic cases of maturity-onset diabetes of the young. Transcript variants encoding different isoforms have been identified for this gene.
<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.



## 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.