



# Recombinant Human Transcription factor SOX-2 (SOX2)

<b>Product Code</b>	CSB-EP022426HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P48431
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MYNMMETELK PPGPQQTSGG GGGNSTAAAA GGNQKNPDR  VKRPMNAFMV WSRGQRRKMA QENPKMHNSE ISKRLGAEWK  LLESETEKRPF IDEAKRLRAL HMKEHPDYKY RPRRKTCTLM KKDKYTLPGG  LLAPGGNSMA SGVGVGAGLG AGVNQRMSY AHMNGWSNGS  YSMMQDQLGY PQHPGLNAHG AAQMCPMHRY DVSALQYNSM  TSSQTYMNGS PTYSMSYSQQ GTPGMALGSM GSVVKSEASS  SPPVVTSSSH SRAPCQAGDL RDMISMYLPG AEVPEPAAPS RLHMSQHYQS  GPVPGTAING TLPLSHM</p>
<b>Source</b>	E.coli
<b>Target Names</b>	SOX2
<b>Protein Names</b>	Recommended name: Transcription factor SOX-2
<b>Expression Region</b>	1-317
<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 intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).
<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.