



# Recombinant Human Transcription factor SOX-9 (SOX9)

<b>Product Code</b>	CSB-MP022437HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P48436
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MNLLDPFMKMTDEQEKGKLSGAPSPTMSEDSAGSPCPSGSGSDTENTRPPQEN TFPKGEPDL KKESEEDKFPVCIREAVSQVLKGYDWTLVPMPVRVNGSSKNKPHVKRPMNAF MVWAQAAR RKLADQYPHLHNAELSKTLGKLWLLNESEKRPFVEEAERLRVQHKKDHPDY KYQPRRRK SVKNGQAEAEATEQTHISPNAIFKALQADSPHSSSGMSEVHSPGEHSGQSQ GPPTPPTT PKTDVQPGKADLKREGRPLPEGGRQPPIDFRDVDIGELSSDVISNIETFDVNEF DQYLPP NGHPGVPATHGQVITYTGSYGISSTAATPASAGHVWMSKQQAPPPPPQPPQ APPAPQAPP QPQAAPPQQAAPPQQQAHTLTTLSSEPGQSQRTHIKTEQLSPSHYSEQQQ HSPQQIAY SPFNLPHYSYPPITRSQYDYTDHQNSSSYSHAAGQGTGLYSTFTYMNPA QRPMYTPI ADTSGVPSIPQTHSPQHWEPVYTQLTRP</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	SOX9
<b>Protein Names</b>	Recommended name: Transcription factor SOX-9
<b>Expression Region</b>	1-509
<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 recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal.
<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.