



# Recombinant Chicken Transcription factor SOX-9 (SOX9)

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| <b>Product Code</b>      | CSB-YP022437CH   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P48434   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Gallus gallus (Chicken)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MNLLDPFMKM TEEQDKGLSG APSPTMSDDS AGSPCPSGSG<br>SDTENTRPPQ ENTFPKGDPD LKKEDEDFK PVCIREAVSQ VLKGYDWTLV<br>PMPVRVNGSS KNKPHVKRPM NAFMVWAQAA RRKLADQYPH<br>LHNAELSKTL GKLWLLNES EKRPFVEEAE RLRVQHKKDH PDYKYQPRRR<br>KTVKNGQSEQ EEGSEQTHIS PNAIFKALQA DSPQSSSSIS EVHSPGEHSG<br>QSQGPPTPPT TPKTDAQQPG KQDLKREGPL AEGGRQPPHI DFRDVDIGEL<br>SSDVISNIET FDVNEFDQYL PPNGHPGVPA THGQVTTYSG TYGISSSASS<br>PAGAGHAWMA KQQPQPQPQPP AQPPAQHTLP STEREQGPAQ<br>QRPHIKTEQL SPSHNSEQQQ HPEQQQQQQQ QLGYGSFNLQ HYGFSYPPIT<br>RSEYDYTEHQ NSGSYSHAA GQSGSLYSTF TYMNPTQRPM YTPADTSGV<br>PTIPQTHSPQ QHWEQPVYTQ LTRP |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | SOX9   |
| <b>Protein Names</b>     | Recommended name: Transcription factor SOX-9   |
| <b>Expression Region</b> | 1-494  |
| <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.  |
| <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.