



Recombinant Human Transcription factor SOX-9 (SOX9)

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| Product Code | CSB-EP022437HU |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P48436 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | <p>MNLLDPFMKMTDEQEKGKLSGAPSPTMSEDSAGSPCPSGSGSDTENTRPPQEN TFPKGEPDL KKESEEDKFPVCIREAVSQVLKGYDWTLVPMPVRVNGSSKNKPHVKRPMNAF MVWAQAAR RKLADQYPHLHNAELSKTLGKLWLLNESEKRPFVEEAERLRVQHKKDHDPDY KYQPRRRK SVKNGQAEAEATEQTHISPNAIFKALQADSPHSSSGMSEVHSPGEHSGQSQ GPPTPPTT PKTDVQPGKADLKREGRPLPEGGRQPPIDFRDVDIGELSSDVISNIETFDVNEF DQYLPP NGHPGVPATHGQVITYTGSYGISSTAATPASAGHVWMSKQQAPPPPPQPPQ APPAPQAPP QPQAAPPQQAAPPQQQAHTLTTLSSEPGQSQRTHIKTEQLSPSHYSEQQQ HSPQQIAY SPFNLPHYSYPPITRSQYDYTDHQNSSSYSHAAGQGTGLYSTFTYMNPA QRPMYTPI ADTSGVPSIPQTHSPQHWEQPVYTQLTRP</p> |
| Source | E.coli |
| Target Names | SOX9 |
| Protein Names | Recommended name: Transcription factor SOX-9 |
| Expression Region | 1-509 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full length protein |
| Target Details | 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. |
| Reconstitution | 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.