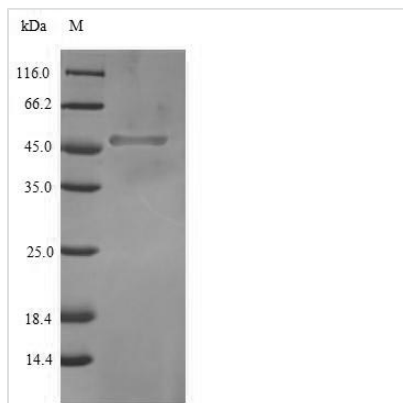




Recombinant Human Transcription factor SOX-2 (SOX2)

Product Code	CSB-EP022426HU
Relevance	Transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in bryonic development such as YES1, FGF4, UTF1 and ZFP206 . Critical for early bryogenesis and for bryonic st cell pluripotency. May function as a switch in neuronal development. Downstream SRRT target that mediates the promotion of neural st cell self-renewal . Keeps neural cells undifferentiated by counteracting the activity of proneural proteins and suppresses neuronal differentiation .
Abbreviation	Recombinant Human SOX2 protein
Storage	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.
Uniprot No.	P48431
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MYNMMETELKPPGPQQTSGGGGGNSTAAAAGGNQKNPDRVKRPMNAFMV WSRGQRRKMAQENPKMHNSEISKRLGAEWKLLSETEKRPFIDEAKRLRALHM KEHPDYKYRPRRKTTLMKKDKYTLPGLLAPGGNSMASGVGVGAGLGAGV NQRMDSYAHMNGWSNGSYSMMQDQLGYPQHPGLNAHGAAQMMPMHRYD VSALQYNSMTSSQTYMNGSPTYMSYSQQGTPGMALGSMGSSVVKSEASSP PVVTSSSHSRAPCQAGDLRDMISMYLPGAEVPEPAAPSRLHMSQHYQSGPVP GTAINGTLPLSHM
Research Area	Transcription
Source	E.coli
Target Names	SOX2
Expression Region	1-317aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	50.3kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

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