

Recombinant Human SOX2

Cat. No. SOX2-966H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SOX2 fused with poly-arginine tag at C-terminal was expressed in E. coli, which was a single, non-glycosylated, Polypeptide chain protein.
Species	Human
Source	E.coli
ProteinLength	317 amino acid
Description	SOX2 is a transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. SOX4 is important for early embryogenesis and for embryonic stem cell pluripotency.
Form	The SOX2 solution (0.15mg/ml) contains 20mM PBS.
Molecular Mass	34.3kDa
Purity	Greater than 95.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Usage	LABORATORY RESEARCH USE ONLY
Stability	SOX2 Human Recombinant although stable at 4 centigrade for 1 week, should be stored below -18 centigrade.Please prevent freeze thaw cycles.

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GENE INFORMATION

Gene Name	SOX2 SRY (sex determining region Y)-box 2 [Homo sapiens]
Official Symbol	SOX2
Synonyms	ANOP3; MCOPS3; transcription factor SOX-2; SRY-related HMG-box gene 2; transcription factor SOX2
Gene ID	6657
mRNA Refseq	NM_003106
Protein Refseq	NP_003097
MIM	184429
UniProt ID	P48431
Chromosome Location	3q26.3-q27
Pathway	Cardiac Progenitor Differentiation, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Hippo signaling pathway, organism-specific biosystem
Function	DNA binding; chromatin binding; miRNA binding

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