

Recombinant Human SOX9 Protein, GST-tagged

Cat. No. SOX9-3044H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SOX9 full-length ORF (NP_000337.1, 1 a.a. - 509 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-509 aa
Description	The protein encoded by this gene 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.
Form	Liquid
Molecular Mass	82.5 kDa
AA Sequence	MNLLDPFMKMTDEQEKGSLGAPSPPTMSSEDSAGSPCPSPGSGSDTENTRPQENTFPK GEPDLKKESEEDKFPVCIREAVSQVLKGYDWTLVPMPVRVNGSSKNKPHVKRPMN AFMVWAQAARRKLADQYPHLHNAELSKTLGKLWRLLESEKRPFVEEAERLRVQH KKDHPDYKYQPRRRKSVKNGQAEAEATEQTHISPNAIFKALQADSPHSSSGMSEV HSPGEHSGQSQGPPTPPTPKTDVQPGKADLKREGRPLPEGGRQPPIDFRDVDIGE LSSDVISNIETFDVNEFDQYLPPNGHPGVPATHGQVYTGSGYGISSTAATPASAGHV

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WMSKQQAPPPPPQQPPQAPPAPQAPPQPQAAPPQQPAAPPQQPQAHTLTLSSE
 PGQSQRTHIKTEQLSPSHYSEQQHQSPQQIAYSPFNLPHYSPSYPPITRSQYDYTDH
 QNSSYYSHAAGQGTGLYSTFTYMNPAQRPMYTPADTSGVPSIPQTHSPQHWEQ
 PVYTQLTRP

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name SOX9 SRY (sex determining region Y)-box 9 [Homo sapiens]

Official Symbol SOX9

Synonyms SOX9; SRY (sex determining region Y)-box 9; campomelic dysplasia, autosomal sex reversal , CMD1, CMPD1; transcription factor SOX-9; SRA1; SRY-related HMG-box, gene 9; SRY (sex-determining region Y)-box 9 protein; CMD1; CMPD1;

Gene ID 6662

mRNA Refseq NM_000346

Protein Refseq NP_000337

MIM 608160

UniProt ID P48436

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