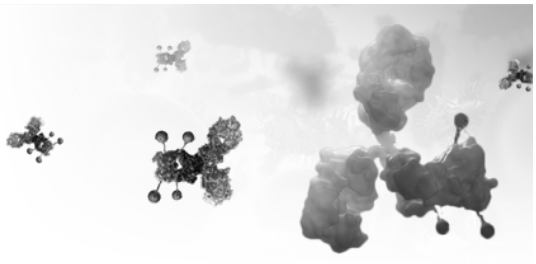

Human SOX2 peptide (DAG-P1171)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This intronless gene encodes a member of the SRY-related HMG-box (SOX) family of transcription factors involved in the regulation of embryonic development and in the determination of cell fate. The product of this gene is required for stem-cell maintenance in the central nervous system, and also regulates gene expression in the stomach. Mutations in this gene have been associated with optic nerve hypoplasia and with syndromic microphthalmia, a severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT). [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Sequence Similarities	Contains 1 HMG box DNA-binding domain.
Format	Liquid
Buffer	Information available upon request.
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SOX2 SRY (sex determining region Y)-box 2 [Homo sapiens (human)]
Official Symbol	SOX2
Synonyms	SOX2; SRY (sex determining region Y)-box 2; ANOP3; MCOPS3; transcription factor SOX-2; transcription factor SOX2; SRY-related HMG-box gene 2;
Entrez Gene ID	6657

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mRNA Refseq	NM_003106.3
Protein Refseq	NP_003097.1
UniProt ID	P48431
Chromosome Location	3q26.3-q27
Pathway	Cardiac Progenitor Differentiation, organism-specific biosystem; Hippo signaling pathway, organism-specific biosystem; Hippo signaling pathway, conserved biosystem; SIDS Susceptibility Pathways, organism-specific biosystem; Wnt Signaling Pathway and Pluripotency, organism-specific biosystem;
Function	DNA binding; DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; chromatin binding; miRNA binding; protein binding; sequence-specific DN

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