



# Recombinant Human SOX2 [His] (DAG-WT631)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant human SOX2 is a single, non-glycosylated, polypeptide chain containing 208 amino acids (1-200 a.a.). It is fused to an 8 amino acid His-Tag at C-terminus.
<b>Purity</b>	> 90% as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	Immunoassays
<b>Molecular Weight</b>	23.1kDa
<b>Format</b>	Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements
<b>Size</b>	5 µg, 25µg, 1 mg
<b>Buffer</b>	20mM Tris-HCl pH-8, 2mM DTT, 0.2M NaCl, 40% glycerol
<b>Preservative</b>	None
<b>Storage</b>	Short term 2-8°C, long term: -20°C

## BACKGROUND

<b>Introduction</b>	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
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called SOX2 overlapping transcript (SOX2OT).

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**Keywords**

Sex determining region; SOX2; HMG

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