Datasheet for ABIN2732450

SOX2 Protein (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	SOX2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SOX2 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human SOX2 protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	SOX2
Alternative Name:	Sox2 (SOX2 Products)
Background:	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

Target Details

	severe form of structural eye malformation. This gene lies within an intron of another gene called SOX2 overlapping transcript (SOX2OT).
Molecular Weight:	34.1 kDa
NCBI Accession:	NP_003097
Pathways:	Dopaminergic Neurogenesis, Sensory Perception of Sound, Stem Cell Maintenance, Cell RedoxHomeostasis

Application Details

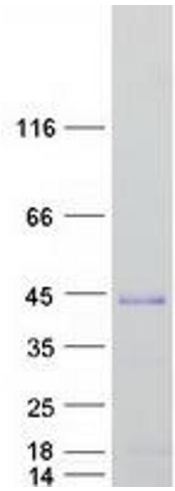
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Soufi, Garcia, Jaroszewicz, Osman, Pellegrini, Zaret: "Pioneer transcription factors target partial DNA motifs on nucleosomes to initiate reprogramming." in: **Cell**, Vol. 161, Issue 3, pp. 555-68, (2015) (PubMed).



Western Blotting

Image 1. Validation with Western Blot

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