Recombinant Human Transcription factor SOX-2 /SOX2 Protein

Catalog No.: RP03291LQ

Sequence Information

Species
Human

Gene ID
6657

Swiss Prot
P48431

Tags
N-His

Synonyms
Transcription factor SOX-2; SOX2; ANOP3; MCOPS3

Product Information

Source
E.coli

Purification
≥ 80 % as determined by SDS-PAGE.

Calculated MW
35.27 kDa

Observed MW
35 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution of PBS,1 mM EDTA, 1 M Urea, 1 mM TCEP, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Background

The SOX (SRY homology box) family of proteins comprises 20 individual members in man and mouse, of which SOX2 is the most explored. SOX proteins are principally defined by a conserved DNA-binding element, the so-called high mobility group (HMG) that relates to a transcriptional master regulator of virility. The SOX family branches into eight sub-categories (SoxA-H), of which SoxB further divides into SoxB1 and SoxB2 groups reflecting more recent gene duplication events. While Sox proteins contribute to various cellular functionalities, reprogramming capacity is largely confined to members of the SoxB1 group (i.e., Sox1, Sox2, and Sox3). SOX2 imposes transcription modulatory significance often in conjunction with co-factors such as OCT3/4 in ES cells or PAX6 in the visual system primordia. And SOX2 enables the derivation of human or murine induced pluripotent stem cells (iPSCs) from terminally differentiated somatic cells.

Basic Information

Description
Recombinant Human Transcription factor SOX-2/SOX2 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Met317) of human SOX2 (Accession #P48431) fused with His tag at the N-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

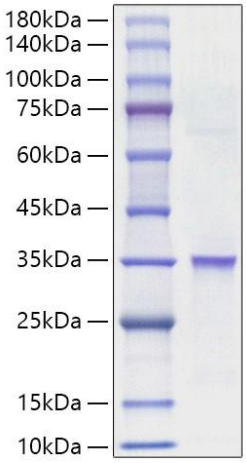
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
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www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human Transcription factor SOX-2/SOX2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.