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SOX2 Human, TAT

SRY (sex determining region Y)-box 2 Human Recombinant, TAT
RCP2201

Product Overview

Name	SOX2 Human, TAT

Description

SRY (sex determining region Y)-box 2 Human Recombinant, TAT

Accession (Primary)	P48431

Synonyms

MCOPS3, ANOP3, MGC2413, SOX2, SRY (sex determining region Y)-box 2.

Introduction

SOX2 is a transcription factor that forms a trimeric complex with OCT4 on DNA and controls the expression of a number of genes involved in embryonic development such as YES1, FGF4, UTF1 and ZFP206. SOX4 is important for early embryogenesis and for embryonic stem cell pluripotency.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in 2×PBS, pH 7.4 and 5% trehalose.

Stability

Lyophilized Sox2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Sox2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by RP-HPLC and SDS-PAGE.

Amino acid sequence

MYNMMETELK PPGPQQTSGG GGGNSTAAAA GGNQKNSPDR VKRPMNAFMV WSRGQRRKMA QENPKMHNSE ISKRLGAEWK LLSETEKRPF IDEAKRLRAL HMKEHPDYKY RPRRKTKTLM KKDKYTLPGG LLAPGGNSMA SGVGVGAGLG AGVNQRMDSY AHMNGWSNGS YSMMQDQLGY PQHPGLNAHG AAQMQPMHRY DVSALQYNSM TSSQTYMNGS PTYSMSYSQQ GTPGMALGSM GSVVKSEASS SPPVVTSSSH SRAPCQAGDL RDMISMYLPG AEVPEPAAPS RLHMSQHYQS GPVPGTAING TLPLSHM GGY GRKKRRQRRR .

Solubility

It is recommended to reconstitute the lyophilized Sox2 in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

SOX2 Human, TAT is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P48431)