

Human SOX2 Recombinant Protein



RPPB4785

Product Information Protein Information

Product SKU:

RPPB4785

Accession:

P48431

Host:

Escherichia Coli.

Protein description:

Sox2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 330 amino acids (317 aa residues of the full length Sox2) and having a molecular mass of 36kDa. Sox2 is fused to a 13 amino acid TAT peptide at C-terminus (GGYGRKKRRQRRR) & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

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

Purity:

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

Solubility:

It is recommended to reconstitute the lyophilized Sox2 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

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.

Amino Acid Sequence:

MYNMMETELK PPGPQQTSGG GGGNSTAAAA GGNQKNPDR VKRPMNAFMV WSRGQRRKMA
QENPKMHNSE ISKRLGAEWK LLSETEKRPF IDEAKRLRAL HMKEHPDYKY RPRRKTKTLM KDKYTLPGG
LLAPGGNSMA SGVGVGAGLG AGVNQRMSY AHMNGWSNGS YSMMQDQLGY PQHPGLNAHG
AAQMMPMHRY DVSALQYNSM TSSQTYMNGS PTYSMSYSQQ GTPGMALGSM GSVVKSEASS SPPVVTSSSH
SRAPCQAGDL RDMISMYLPG AEVPEPAAPS RLHMSQHYQS GPVPGTAING TLPLSHMGGY GRKKRRQRRR.