

SOX2, 1-200aa, Human, His tag, E.coli

Cat.NO.: TP04008

3th Edition

Synonyms:ANOP3, MCOPS3, MGC2413, SRY (sex determining region Y)-box 2 ANOP3, cb236, Delta EF2a, lcc, MGC148683, RGD1565646, Sex determining region Y box 2, SOX 2, SRY (sex determining region Y) box 2, SRY box containing gene 2

Description:SRY (sex determining region Y)-box 2, also known as SOX2, is a transcription factor that is essential to maintain self-renewal of undifferentiated embryonic stem cells. This Protein is 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. Recombinant human SOX2 protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 200mM NaCl, 2mM DTT, 40% glycerol

Molecular Weight:23.1kDa (208aa), confirmed by MALDI-TOF.

Sequences:

MYNMMETELKPPGPQQTSGGGGGNSTAAAAGGNQKNSPDRVKRPMNAFMVWSRGQRRKMAQENPKMHNSEI
SKRLGAEWKLLSETEKRPFIDEAKRLRALHMKEHPDYKYRPRRKTTLMKKDKYTLPGGLLAPGGNSMASGVGVG
AGLGAGVNQRMDSYAHMNGWSNGSYSMMQDQLGYPQHPLNAHGAAQMMPMHRYLEHHHHHHH

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.