

MEOX2, 188-304aa, Human, His tag, E.coli

Cat.NO.: TP02947

3th Edition

Synonyms:Homeobox protein MOX-2 , GAX, MOX2

Description:Homeobox protein MOX-2, also known as MEOX2, belongs to a family of nonclustered, diverged homeobox genes that are expressed in overlapping patterns in the paraxial mesoderm and its derivatives. It may play a role in the regulation of vertebrate limb myogenesis. Mutations in the related mouse MEOX2 may be associated with craniofacial and/or skeletal abnormalities, in addition to neurovascular dysfunction observed in Alzheimer's disease. Recombinant human MEOX2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

Molecular Weight:15.9 kDa (140aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSRKERTAFTKEQIRELEAEFAHHNYLTRLRRYEIAVNLDLTERQVKVWFQNR
MKWKRVKGGQQGAAAREKELVNVKKGTLPSSELSGIGAATLQQTGDSIANEDSHSDHSSEHAHL

Purity:> 95% by HPLC

Concentration:0.25mg/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.