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# **Recombinant human MEOX2 protein**

Catalog Number: ATGP2194

#### **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

188-304aa

#### UniProt No.

P50222

#### **NCBI Accession No.**

NP 005915

### **Alternative Names**

Homeobox protein MOX-2, Homeobox protein MOX-2, GAX, MOX2

# PRODUCT SPECIFICATION

### **Molecular Weight**

15.9 kDa (140aa) confirmed by MALDI-TOF

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

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

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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.



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# **Amino acid Sequence**

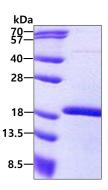
< MGSSHHHHHH SSGLVPRGSH MGS>RKERTAF TKEQIRELEA EFAHHNYLTR LRRYEIAVNL DLTERQVKVW FQNRRMKWKR VKGGQQGAAA REKELVNVKK GTLLPSELSG IGAATLQQTG DSIANEDSHD SDHSSEHAHL

#### **General References**

Candia A F., et al. (1996) Int J Dev Biol. 40:1179-1184 Mankoo B S., et al. (1999) Nature. 400:69-73.

## **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

