

# Recombinant human MEOX2 protein

Catalog Number: ATGP2194

## PRODUCT INFORMATION

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### 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

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### 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

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### 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  
FQNRMRMKWKR VKGGQQGAAA REKELVNVKK GTLLPSELSG IGAATLQQTG DSIANEDSHD SDHSSEHAHL

## General References

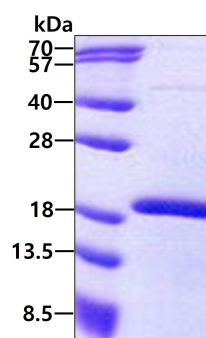
Candia A F., et al. (1996) Int J Dev Biol. 40:1179-1184

Mankoo B S., et al. (1999) Nature. 400:69-73.

## DATA

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### SDS-PAGE



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