

# Recombinant Full Length Human MEOX2 Protein

**Cat. No.** MEOX2-304HF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant full length Human MEOX 2 with N terminal proprietary tag, 59.07 kDa.

**Species**                      Human

**Source**                        In Vitro Cell Free System

**ProteinLength**              303 amino acids

**Description**                This gene encodes a member of a subfamily of non-clustered, diverged, antennapedia-like homeobox-containing genes. The encoded protein may play a role in the regulation of vertebrate limb myogenesis. Mutations in the related mouse protein may be associated with craniofacial and/or skeletal abnormalities, in addition to neurovascular dysfunction observed in Alzheimers disease.

**Form**                            Liquid

**Molecular Mass**            59.070kDa inclusive of tags

**AA Sequence**

```
MEHPLFGCLRSPHATAQGLHPFSQSSLALHGRSDHMSYPE LSTSSSSCIAGYPNE
EGMFASQHHRGHHHHHHHHHHHHHQ QQQHQLQTNWHLPMSSPPSAARHSLCL
QPDSGGPPELG SSPPVLCNSSSSLGSSTPTGAACAPGDYGRQALSPAIAEK RSG
GKRKSDSDSQEGNYKSEVNSKPRKERTAFTEQIRE LEAEFAHHNYLTRLRRIEYI
AVNLDLTERQVKVWFQNRMK WKRVKGGQQGAAAREKELVNVKKGTLPSSELSGI
GAATLQ QTGDSIANEDSHDSDHSSEHAHL
```

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<b>Purity</b>	Proprietary Purification
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
<b>Storage Buffer</b>	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

<b>Gene Name</b>	MEOX2 mesenchyme homeobox 2 [ Homo sapiens ]
<b>Official Symbol</b>	MEOX2
<b>Synonyms</b>	MEOX2; mesenchyme homeobox 2; GAX, mesenchyme homeo box 2 (growth arrest specific homeo box) , mesenchyme homeobox 2 (growth arrest specific homeo box); homeobox protein MOX-2; growth arrest specific homeobox; MOX2
<b>Gene ID</b>	4223
<b>mRNA Refseq</b>	NM_005924
<b>Protein Refseq</b>	NP_005915
<b>MIM</b>	600535
<b>UniProt ID</b>	P50222

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