

Recombinant Human MEOX2

Cat. No. MEOX2-29604TH 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	Wheat Germ
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.
Molecular Weight	59.070kDa inclusive of tags
Tissue specificity	Embryo and placenta.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MEHPLFGCLRSPHATAQGLHPFSQSSLALHGRSDHMSYPE LSTSSSSCIAGYPNE
 EGMFASQHHRRGHHHHHHHHHHHHHQ QQQHQUALQTNWHLPMSSPPSAARHSLCL
 QPDSGGPPELG SSPPVLCNSSSLGSSSTPTGAACAPGDYGRQALSPAIAEK RSG
 GKRKSDSSDSQEGNYKSEVNSKPRKERTAFATKEQIRE LEAEFAHHNYLTRLRRYEI
 AVNLDLTERQVKVWFQNRMMK WKRVKGGQQGAAAREKELVNVKKGTLPSSELSGI
 GAATLQ QTGDSIANEDSHDSDHSSEHAHL

Sequence Similarities

Contains 1 homeobox DNA-binding domain.

GENE INFORMATION

Gene Name

[MEOX2 mesenchyme homeobox 2 \[Homo sapiens \]](#)

Official Symbol

[MEOX2](#)

Synonyms

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;

Gene ID

[4223](#)

mRNA Refseq

[NM_005924](#)

Protein Refseq

[NP_005915](#)

MIM

[600535](#)

Uniprot ID

[P50222](#)

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Chromosome

7p22.1-p21.3

Location

Function

protein binding; sequence-specific DNA binding; sequence-specific DNA binding
transcription factor activity;

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