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: 8.00Constituents: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 LSTSSSSCIIAGYPNE EGMFASQHHRGHHHHHHHHHHHHQ QQQHQALQTNWHLPQMSSPPSAARHSLCL QPDSGGPPELG SSPPVLCSNSSSLGSSTPTGAACAPGDYGRQALSPAEAEK RSG GKRKSDSSDSQEGNYKSEVNSKPRKERTAFTKEQIRE LEAEFAHHNYLTRLRRYEI AVNLDLTERQVKVWFQNRRMK WKRVKGGQQGAAAREKELVNVKKGTLLPSELSGI 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 Location	7p22.1-p21.3
Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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