Recombinant Human mesenchyme homeobox 2, His-tagged

Cat. No. MEOX2-240H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MEOX2, 188-304aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	188-304 a.a.
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT
Molecular Mass	15.9 kDa (140aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSRKERTAF TKEQIRELEA EFAHHNYLTR LRRYEIAVNL DLTERQVKVW FQNRRMKWKR VKGGQQGAAA REKELVNVKK GTLLPSELSG IGAATLQQTG DSIANEDSHD SDHSSEHAHL

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Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Bradford assay)

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; growth arrest-specific homeobox; growth arrest-specific homeo box; mesenchyme homeo box 2 (growth arrest-specific homeo box); GAX;
Gene ID	4223
mRNA Refseq	NM_005924
Protein Refseq	NP_005915
MIM	600535
UniProt ID	P50222
Chromosome Location	7p22.1-p21.3

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

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