

## Recombinant Human mesenchyme homeobox 2, His-tagged

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

### SPECIFICATION

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

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<b>Purity</b>	>95% by SDS - PAGE
<b>Storage</b>	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.
<b>Concentration</b>	0.25mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<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; growth arrest-specific homeobox; growth arrest-specific homeo box; mesenchyme homeo box 2 (growth arrest-specific homeo box); GAX;
<b>Gene ID</b>	<a href="#">4223</a>
<b>mRNA Refseq</b>	<a href="#">NM_005924</a>
<b>Protein Refseq</b>	<a href="#">NP_005915</a>
<b>MIM</b>	<a href="#">600535</a>
<b>UniProt ID</b>	<a href="#">P50222</a>
<b>Chromosome Location</b>	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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