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32-4199: Recombinant Human Mesenchyme Homeobox 2

Alternative Name : GAX,MOX2,Homeobox protein MOX-2,Growth arrest-specific homeobox,Mesenchyme homeobox 2,MEOX2.

Description

Source : Escherichia Coli. MEOX2 Human Recombinant produced in E. coli is a single polypeptide chain containing 140 amino acids (188-304) and having a molecular mass of 15.9kDa. MEOX2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Homeobox protein MOX-2 (MEOX2) is a part of a family of nonclustered, diverged homeobox genes which are expressed in overlapping patterns in the paraxial mesoderm and its derivatives. MEOX2 participates in the regulation of vertebrate limb myogenesis. MEOX2 also takes part in mesoderm induction and its earliest regional specification, somitogenesis, myogenic and sclerotomal differentiation. Mutations in the related mouse MEOX2 are related with craniofacial and/or skeletal abnormalities, in addition to neurovascular dysfunction observed in Alzheimer's disease.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The MEOX2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol and 2mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSRKERTAF TKEQIRELEA EFAHHNYLTR LRRYEIAVNL DLTERQVKVW FQNRRMKWKR VKGGQQGAAA REKELVNVKK GTLLPSELSG IGAATLQQTG DSIANEDSHD SDHSSEHAHL.

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