
Product Data Sheet

Product Name: MEOX2 Human
 Cat. No.: GP23913
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GAX; MOX2; Homeobox protein MOX-2; Growth arrest-specific homeobox; Mesenchyme homeobox 2; MEOX2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSRKERTAF TKEQIRELEA EFAHHNYLTR LRRYEIAVNL DLTERQVKVW FQNRMKWKR VKGGQQGAAA REKELVNVKK GTLLPSELG IGAATLQQTG DSIANEDSHD SDHSSEHAHL.		
Formulation	The MEOX2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol and 2mM DTT.		

Introduction

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.

Stability

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.

Background

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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