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MSX1 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP7269a

Specification

MSX1 Blocking Peptide (N-term) - Product Information

Primary Accession	P28360
Other Accession	NP_002439

MSX1 Blocking Peptide (N-term) - Additional Information

Gene ID 4487

Other Names
Homeobox protein MSX-1, Homeobox protein Hox-7, Msh homeobox 1-like protein, MSX1, HOX7

Target/Specificity
The synthetic peptide sequence is selected from aa 1-18 of HUMAN MSX1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MSX1 Blocking Peptide (N-term) - Protein Information

Name MSX1

Synonyms HOX7

Function
Acts as a transcriptional repressor. May play a role in limb- pattern formation. Acts in

MSX1 Blocking Peptide (N-term) - Background

MSX1 is a member of the muscle segment homeobox gene family. This protein functions as a transcriptional repressor during embryogenesis through interactions with components of the core transcription complex and other homeoproteins. It may also have roles in limb-pattern formation, craniofacial development, particularly odontogenesis, and tumor growth inhibition. Mutations in this gene, which was once known as homeobox 7, have been associated with nonsyndromic cleft lip with or without cleft palate 5, Witkop syndrome, Wolf-Hirschom syndrome, and autosomoal dominant hypodontia.

MSX1 Blocking Peptide (N-term) - References

Han,J., Mech. Dev. 124 (9-10), 729-745 (2007)

cranofacial development and specifically in odontogenesis. Expression in the developing nail bed mesenchyme is important for nail plate thickness and integrity.

Cellular Location
Nucleus.

Tissue Location
Expressed in the developing nail bed mesenchyme.

MSX1 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides