Recombinant Human MSX1 Protein, GST-tagged

Cat. No. MSX1-5676H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MSX1 full-length ORF (AAH67353.1, 1 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the muscle segment homeobox gene family. The encoded 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. [provided by RefSeq
Molecular Mass	57.3 kDa
AA Sequence	MTSLPLGVKVEDSAFGKPAGGGAGQAPSAAAATAAAMGADEEGAKPKVSPSLLPF SVEALMADHRKPGAKESALAPSEGVQAAGGSAQPLGVPPGSLGAPDAPSSPRPLG HFSVGGLLKLPEDALVKAESPEKPERTPWMQSPRFSPPPARRLSPPACTLRKHKTN RKPRTPFTTAQLLALERKFRQKQYLSIAERAEFSSSLSLTETQVKIWFQNRRAKAKRL QEAELEKLKMAAKPMLPPAAFGLSFPLGGPAAVAAAAGASLYGASGPFQRAALPVA PVGLYTAHVGYSMYHLT

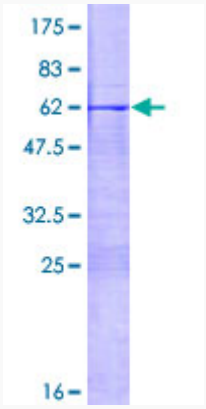
Tel: 1-631-559-9269 1-516-512-3133
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	MSX1 msh homeobox 1 [Homo sapiens]
Official Symbol	MSX1
Synonyms	MSX1; msh homeobox 1; HOX7, msh (Drosophila) homeo box homolog 1 (formerly homeo box 7) , msh homeobox homolog 1 (Drosophila); homeobox protein MSX-1; HYD1; OFC5; homeobox 7; msh homeo box 1; homeobox protein Hox-7; msh homeobox homolog 1; msh homeobox 1-like protein; HOX7; STHAG1;
Gene ID	4487
mRNA Refseq	NM_002448
Protein Refseq	NP_002439
MIM	142983
UniProt ID	P28360

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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