

# Recombinant Full Length Human MSX1 Protein, GST-tagged

**Cat. No.** MSX1-6476HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MSX1 full-length ORF ( AAH67353.1, 1 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 297 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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-Hirschorn syndrome, and autosomal dominant hypodontia. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 57.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MTSLPLGVKVEDSAFGKPAGGGAGQAPSAAAATAAAMGADEEGAKPKVSPSLLPF<br>SVEALMADHRKPGAKESALAPSEGVQAAGGSAQPLGVPPGSLGAPDAPSSPRPLG<br>HFSVGGLLKLPEALVKAESPEKPERTPWMQSPRFSPPPARRLSPPACTLRKHKTN<br>RKPRTPFTTAQLLALERKFRQKQYLSIAERAEFSSSLSTETQVKIWFQNRRAKAKRL<br>QEAELEKLKMAAKPMLPPAAFGLSFPLGGPAAVAAAAGASLYGASGPFQRAALPVA                                                                                                                                                                                                                                                                                                                                       |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | PVGLYTAHVGYSMYHLT                                                                                                                                                                                                                                                                          |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                          |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                            |
| <b>Gene Name</b>        | <a href="#">MSX1 msh homeobox 1 [ Homo sapiens ]</a>                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | <a href="#">MSX1</a>                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | <a href="#">4487</a>                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>      | <a href="#">NM_002448</a>                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>   | <a href="#">NP_002439</a>                                                                                                                                                                                                                                                                  |
| <b>MIM</b>              | <a href="#">142983</a>                                                                                                                                                                                                                                                                     |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**UniProt ID****P28360** Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA