

Recombinant Full Length Human MSX2 Protein, GST-tagged

Cat. No. MSX2-6477HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MSX2 full-length ORF (AAH15509.1, 1 a.a. - 267 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	267 amino acids
Description	This gene encodes a member of the muscle segment homeobox gene family. The encoded protein is a transcriptional repressor whose normal activity may establish a balance between survival and apoptosis of neural crest-derived cells required for proper craniofacial morphogenesis. The encoded protein may also have a role in promoting cell growth under certain conditions and may be an important target for the RAS signaling pathways. Mutations in this gene are associated with parietal foramina 1 and craniosynostosis type 2.
Molecular Mass	55 kDa
AA Sequence	MASPSKGNDLFSPDEEGPAVVAGPGPGPGAEGAAEERRVKVSSLPFSVEALMSD KKPPKEASPLPAESASAGATLRPLLLSGHGAREAHSPGPLVKPFETASVKSENSED GAAWMQEPGRYSPPPRHTSPTTCTLRKHKTNRKPRTPTTSQLLALERKFRQKQYL SIAERAEFSSSLNLTETQVKIWFQNRRAKAKRLQEALEKCLKMAAKPMLPSSFSPLF PISSPLQAASIYGASYPFHRPVLPIPPVGLYATPVGYGMYHLS

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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	MSX2 msh homeobox 2 [Homo sapiens]
Official Symbol	MSX2
Synonyms	MSX2; msh homeobox 2; msh (Drosophila) homeo box homolog 2 , msh homeobox homolog 2 (Drosophila) , parietal foramina 1 , PFM1; homeobox protein MSX-2; craniosynostosis; type 2; CRS2; FPP; HOX8; MSH; PFM; msh homeo box 2; homeobox protein Hox-8; msh homeobox homolog 2; PFM1;
Gene ID	4488
mRNA Refseq	NM_002449
Protein Refseq	NP_002440
MIM	123101
UniProt ID	P35548

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