

# Recombinant Full Length Human MSX2 Protein, C-Flag-tagged

**Cat. No.** MSX2-2062HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human MSX2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	28.7 kDa
<b>AA Sequence</b>	MASPSKGNLDFSPDEEGPAVVAGPGPGPGAEGAAEERRVKVSSLPFSVEALMSD KKPPKEASPLPAESA SAGATLRPLLLSGHGAREAHSPGPLVKPFETASVKSENSED GAAWMQEPGRYSPPRHTSPTTCTLRKHK TNRKPRTPFTTSQLLALERKFRQKQY LSIAERAEFSSSLNLTETQVKIWFQNRRAKAKRLQEALEKLM AAKPMLPSSFSPLP FPISSPLQAASIYGASYPFHRPVLPIPPVGLYATPVGYGMYHLS TRTRPLEQKLISEE DLAANDILDYKDDDDKV

 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

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Transcription Factors
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	MSX2 msh homeobox 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	MSX2
<b>Synonyms</b>	FPP; MSH; PFM; CRS2; HOX8; PFM1
<b>Gene ID</b>	4488
<b>mRNA Refseq</b>	NM_002449.5
<b>Protein Refseq</b>	NP_002440.2
<b>MIM</b>	123101

 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

P35548

 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