

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human MSX2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.7 kDa
AA Sequence	MASPSKGNDLFSPDEEGPAVVAGPGPGPGAEGAAEERRVKVSSLPFSVEALMSD KKPPKEASPLPAESA SAGATLRPLLLSGHGAREAHSPGPLVKPFETASVKSENSED GAAWMQEPGRYSPPPRHTSPTTCTLRKHK TNRKPRTPFTTSQLLALERKFRQKQY LSIAERAEFSSSLNLTETQVKIWFQNRRAKAKRLQEAELEKLKM AAKPMLPSSFSLP FPISSPLQAASIYGASYPFHRPVLPIPPVGLYATPVGYGMYHLS TRTRPLEQKLISEE DLAANDILDYKDDDDKV

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

GENE INFORMATION

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

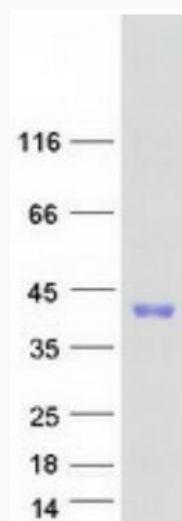
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UniProt ID

P35548



Coomassie blue staining of purified MSX2 protein.

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