

Product datasheet for PH302056

MSX2 (NM_002449) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MSX2 MS Standard C13 and N15-labeled recombinant protein (NP_002440)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202056
Predicted MW:	28.9 kDa
Protein Sequence:	>RC202056 protein sequence Red=Cloning site Green=Tags(s) MASPSKGNDLFSPEEGPAVVAGPGPGGAEGAAEERRVKVSSLPFVSVEALMSDKKPPKEASPLPAESA SAGATLRPLLLSGHGAREAHSPGPLVKPFETASVKSENSEDGAAWMQEPGRYSPPPRHTSPTTCTLRKHK TNRKPRTPTTSQLLALERKFRQKQYLSIAERAESSSLNLTETQVKIWFQNRRAKAKRLQEALEKLM AAKMLPSSFSLPFPISSPLQAASIYGASYPFHRPVLPIPPVGLYATPVGYGMYHLS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002440</u>
RefSeq Size:	2224
RefSeq ORF:	801
Synonyms:	CRS2; FPP; HOX8; MSH; PFM; PFM1
Locus ID:	4488
UniProt ID:	<u>P35548</u>



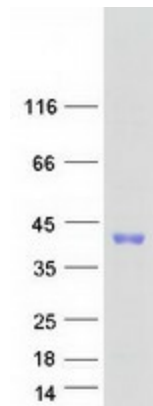
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Cytogenetics: 5q35.2

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified MSX2 protein (Cat# [TP302056]). The protein was produced from HEK293T cells transfected with MSX2 cDNA clone (Cat# [RC202056]) using MegaTran 2.0 (Cat# [TT210002]).