

Product datasheet for PH305682

MSX1 (NM_002448) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MSX1 MS Standard C13 and N15-labeled recombinant protein (NP_002439)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205682
Predicted MW:	31.5 kDa
Protein Sequence:	>RC205682 protein sequence Red =Cloning site Green =Tags(s) MAPAADMTSLPLGVKVEDSAFGKPAGGGAGQAPSA AAAATAAMGADEEGAKPKVSPSLLPFSVEALMADH RKPGAKESALAPSEGVQAAGGSAQPLGVPPGSLGAPDAPSSPRPLGHF SVGGLLKL PEDALVKAESPEKP ERTPWMQSPRFSPPPARRLSPPACTLRKHKTNRKPRTPFTTAQLLALERKFRQKQYLSIAERA EFS SLS LTETQVKIWFQNRRAKAKRLQEAELEKLKMAAKPMLPPAAFGLSFPLGGPA AVAAAGASLYGASGPFQR AALPVAPVGLYTAHVGYSMYHLT 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:	NP_002439
RefSeq Size:	1940
RefSeq ORF:	909
Synonyms:	ECTD3; HOX7; HYD1; STHAG1
Locus ID:	4487



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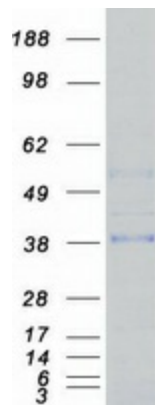
UniProt ID: [P28360](#)

Cytogenetics: 4p16.2

Summary: 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, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified MSX1 protein (Cat# [TP305682]). The protein was produced from HEK293T cells transfected with MSX1 cDNA clone (Cat# [RC205682]) using MegaTran 2.0 (Cat# [TT210002]).