

Product datasheet for **TP305682L**

MSX1 (NM_002448) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human msh homeobox 1 (MSX1), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC205682 protein sequence
Red=Cloning site **Green**=Tags(s)

MAPAADMTSLPLGVKVEDSAFGKPAGGGAGQAPSAATAAAMGADEEGAKPKVSPSLLPFSVEALMADH
RKPGAKESALAPSEGVQAAGGSAQPLGVPPGSLGAPDAPSSPRPLGHFSVGLLKLKPEDALVKAESPEKP
ERTPWMQSPRFSPPPARRLSPPACTLRKHKTNRPRTPTTAQLLALERKFRKQYLSIAERAEFSSSL
LTETQVKIWFQNRRAKAKRLQEALEKLMKAAKMLPPAAFGLSFPLGGPAAVAAAAGASLYGASGPFQR
AALPVAPVGLYTAHVGYSMYHLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 31.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_002439](#)

Locus ID: 4487



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UniProt ID: [P28360](#)

RefSeq Size: 1940

Cytogenetics: 4p16.2

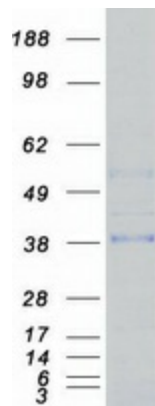
RefSeq ORF: 909

Synonyms: ECTD3; HOX7; HYD1; STHAG1

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]).