

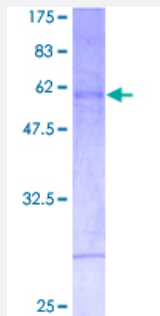
Full-Length

MSX2 (Human) Recombinant Protein (P01)

Catalog # H00004488-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MSX2 full-length ORF (AAH15509.1, 1 a.a. - 267 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASPSKGNDLFSPDEEGPAVVAGPGPGGGAEGAAEERRVKVSSLPFSVEALMSDKKPPKEA
SPLPAESASAGATLRPLLLSGHGAREAHSPGPLVKPFETASVKSENSEDGAAWMQEPGRYSPP
PRHTSPTTCTLRKHKTNRKPRTPTTSQLLALERKFRQKQYLSIAERAEFSSSLNLTETQVKWQFN
RRAKAKRLQEALEKLKMAAKPMLPSSFSLPFPISSPLQAASIYGASYPFHRPVLPIPPVGLYATP
VGYGMYHLS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

55

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MSX2

Entrez GeneID [4488](#)

GeneBank Accession# [BC015509.1](#)

Protein Accession# [AAH15509.1](#)

Gene Name MSX2

Gene Alias CRS2, FPP, HOX8, MSH, PFM, PFM1

Gene Description msh homeobox 2

Omim ID [123101](#) [168500](#) [168550](#) [604757](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations msh homeo box 2|msh homeobox homolog 2

Disease

- [Celiac Disease](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Sleep Apnea](#)
- [Spondylitis](#)