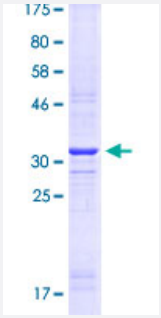
MSX1 (Human) Recombinant Protein (Q01)

Catalog # H00004487-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MSX1 partial ORF (NP_002439.1, 216 a.a. - 297 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	NRRAKAKRLQEAELEKLKMAAKPMLPPAAFGLSFPLGGPAAVAAAAGASLYGASGPFQRAALP VAPVGLYTAHVGYSMYHLT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.65
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 — MSX1

Entrez GeneID	4487
GeneBank Accession#	NM_002448.1
Protein Accession#	NP_002439.1
Gene Name	MSX1
Gene Alias	HOX7, HYD1
Gene Description	msh homeobox 1
Omim ID	106600 142983 189500 608874
Gene Ontology	Hyperlink
Gene 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-Hirschom syndrome, and autosomoal dominant hypodontia. [provided by RefSeq
Other Designations	OTTHUMP00000115387|homeobox 7|msh homeo box 1|msh homeobox homolog 1

Disease

- Breast Neoplasms
- Cleft Lip
- Cleft Palate

- Disease Models
- Genetic Predisposition to Disease
- Multiple System Atrophy
- Parkinson disease
- Sleep Apnea