



Human MSX2 peptide (DAG-P0850)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the Msh homeobox family. Contains 1 homeobox DNA-binding domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MSX2 msh homeobox 2 [Homo sapiens (human)]
Official Symbol	MSX2
Synonyms	MSX2; msh homeobox 2; FPP; MSH; PFM; CRS2; HOX8; PFM1; homeobox protein MSX-2; msh homeo box 2; homeobox protein Hox-8; msh homeobox homolog 2;
Entrez Gene ID	4488

mRNA Refseq	NM_002449.4
Protein Refseq	NP_002440.2
UniProt ID	P35548
Chromosome Location	5q35.2
Pathway	HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Neural Crest Differentiation, organism-specific biosystem;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity; protein binding; sequence-specific DNA binding; transcription cofac
