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Product datasheet for RC202056L4V

MSX2 (NM_002449) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MSX2 (NM_002449) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MSX2
Synonyms:	CRS2; FPP; HOX8; MSH; PFM; PFM1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002449
ORF Size:	801 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202056).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_002449.4
RefSeq Size:	2224 bp
RefSeq ORF:	804 bp
Locus ID:	4488
UniProt ID:	P35548
Cytogenetics:	5q35.2
Domains:	homeobox
Protein Families:	Druggable Genome, Transcription Factors

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MW: 28.9 kDa

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, Jul 2008]