

Product datasheet for **SC303456**

Malignant fibrous histiocyteoma (MFHAS1) (NM_004225) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Malignant fibrous histiocyteoma (MFHAS1) (NM_004225) Human Untagged Clone
Tag:	Tag Free
Symbol:	Malignant fibrous histiocyteoma
Synonyms:	LRRC65; MASL1; ROCO4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004225 edited

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ATGGCTGGGATGGACAGTGGCAACCTGAAGACCGCAGGCTGTGGCGGGACGCCGCCCTG
CGTGCCAGGAAGCTGCGGAGCAACCTGCGCCAGCTCAGCTTACCGCCGCCGGGGCTGC
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CATCGGGTCGGGGCGAGAGTGCCCCACGCGGTGGTGTGCATCGTGGGCACCCACGCAGAC
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 AGCGAGCGAGTAAATGTTGCCTTGGTTTACCCACCCACGCCGACTGTGATCAGCCCTGT
 TCCAAGAAGAATGTTGGTGAAGACAGAAACCAAGTGA

Restriction Sites:	Please inquire
ACCN:	NM_004225
Insert Size:	3200 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	ORF matches with reference except there are 2 SNPs in the ORF.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_004225.1, NP_004216.1</u>

RefSeq Size: 3159 bp

RefSeq ORF: 3159 bp

Locus ID: 9258

UniProt ID: [Q9Y4C4](#)

Cytogenetics: 8p23.1

Gene Summary: Identified in a human 8p amplicon, this gene is a potential oncogene whose expression is enhanced in some malignant fibrous histiocyctomas (MFH). The primary structure of its product includes an ATP/GTP-binding site, three leucine zipper domains, and a leucine-rich tandem repeat, which are structural or functional elements for interactions among proteins related to the cell cycle, and which suggest that overexpression might be oncogenic with respect to MFH. [provided by RefSeq, Jul 2008]