

Product datasheet for RC224081L1

OriGene Technologies, Inc.

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Malignant fibrous histiocytoma (MFHAS1) (NM_004225) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Malignant fibrous histiocytoma (MFHAS1) (NM_004225) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Malignant fibrous histiocytoma

Synonyms: LRRC65; MASL1; ROCO4

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC224081).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_004225

ORF Size: 3156 bp





Malignant fibrous histiocytoma (MFHAS1) (NM_004225) Human Tagged Lenti ORF Clone – RC224081L1

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.

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</u>

RefSeq Size: 3159 bp **RefSeq ORF:** 3159 bp

Locus ID: 9258

UniProt ID: Q9Y4C4

Cytogenetics: 8p23.1

MW: 116.8 kDa

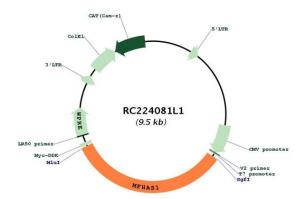
Gene Summary: Identified in a human 8p amplicon, this gene is a potential oncogene whose expression is

enhanced in some malignant fibrous histiocytomas (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

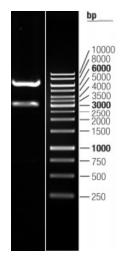
respect to MFH. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC224081L1



Double digestion of RC224081L1 using Sgfl and Mlul $\,$