

Product datasheet for SC335789

OLFML3 (NM_001286352) Human Untagged Clone

Product data:

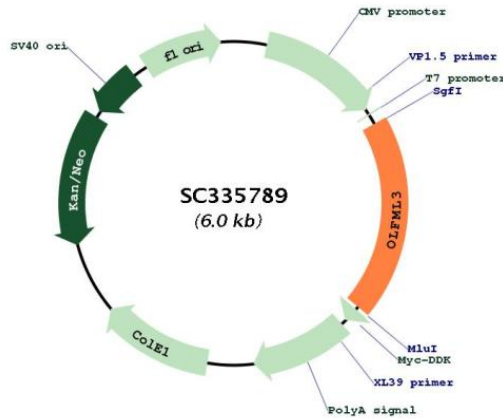
Product Type:	Expression Plasmids
Product Name:	OLFML3 (NM_001286352) Human Untagged Clone
Tag:	Tag Free
Symbol:	OLFML3
Synonyms:	HNOEL-iso; OLF44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335789 representing NM_001286352. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCAGTGGCACTGCTCACAGAGAACACAGGCTGGAGGACATGGAGTCGGGGAACGGCTGGCCAG
TGCCAGGACCAGAGTAGTCGGCATGCTGCTGAGCTGCGGGACTTCAAGAACAAGATGCTGCCACTGCTG
GAGGTGGCAGAGAAGGAGCGGGAGGCACTCAGAACTGAGGCCGACACCATCTCCGGGAGAGTGGATCGT
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GATGGCTACCAGATTGTCTATAAGCTGGAGATGAGGAAGAAAGAGGAGGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001286352

Insert Size: 1161 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).

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: [NM_001286352.1](#)

RefSeq Size: 2006 bp

RefSeq ORF: 1161 bp

Locus ID: 56944

UniProt ID: [Q9NRR5](#)

Cytogenetics: 1p13.2

Protein Families: Secreted Protein

MW: 43.6 kDa

Gene Summary:

This gene encodes a member of the olfactomedin-like gene family which also includes genes encoding noelin, tiarin, myocilin, amassin, optimedlin, photomedlin, and latrophilin. The encoded protein is a secreted extracellular matrix glycoprotein with a C-terminal olfactomedin domain that facilitates protein-protein interactions, cell adhesion, and intercellular interactions. It serves as both a scaffold protein that recruits bone morphogenetic protein 1 to its substrate chordin, and as a vascular tissue remodeler with pro-angiogenic properties. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]

Transcript Variant: This variant (2) uses an alternate exon in the 5' UTR and coding region and initiates translation from an alternate start codon compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus compared to isoform 1.