

Product datasheet for **SC320863**

OLFML3 (NM_020190) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OLFML3 (NM_020190) Human Untagged Clone
Tag:	Tag Free
Symbol:	OLFML3
Synonyms:	HNOEL-iso; OLF44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_020190.2
AAGAGGCTGACTGTACGTTCTTCTACTCTGGCACCCTCCAGGCTGCCATGGGGCCC
AGCACCCCTCTCCTCATCTTGTTCCTTTTGTATGGTCGGGACCCCTCCAAGGACAGCAG
CACCACCTTGTGGAGTACATGGAACGCCGACTAGCTGCTTTAGAGGAACGGCTGGCCAG
TGCCAGGACCAGAGTAGTCGGCATGCTGCTGAGCTGCGGGACTTCAAGAACAAGATGCTG
CCACTGCTGGAGGTGGCAGAGAAGGAGCGGGAGGCACTCAGAACAGGCGGACACCATC
TCCGGGAGAGTGGATCGTCTGGAGCGGGAGGTAGACTATCTGGAGACCCAGAACCAGCT
CTGCCCTGTGTAGAGTTTGTAGAGAAGGTGACTGGAGGCCCTGGGACCAAGGCAAGGGA
AGAAGGAATGAGAAGTACGATATGGTGACAGACTGTGGCTACACAATCTCTCAAGTGAGA
TCAATGAAGATTCTGAAGCGATTTGGTGGCCAGCTGGTCTATGGACCAAGGATCCACTG
GGGCAAACAGAGAAGATCTACGTGTTAGATGGGACACAGAATGACACAGCCTTTGTCTTC
CCAAGGCTGCGTACTTCACCCTTGCCATGGCTGCCCGAAAGCTTCCCGAGTCCGGGTG
CCCTTCCCCTGGGTAGGCACAGGCAGCTGGTATATGGTGGCTTCTTTATTTTGTCTCGG
AGGCTCTGGAAGACCTGGTGGAGGTGGTGGAGATGGAGAACACTTTGCAGCTAATCAA
TTCCACCTGGCAAACCGAACGTGGTGGACAGCTCAGTATCCCAGCAGAGGGGCTGATC
CCCCCTACGGCTTGACAGCAGACACCTACATCGACCTGGCAGCTGATGAGGAAGTCTT
TGGGCTGTCTATGCCACCCGGGAGGATGACAGGCACTTGTGTCTGGCCAAGTTAGATCCA
CAGACACTGGACACAGAGCAGCAGTGGGACACACCATGTCCCAGAGAGAAATGCTGAGGCT
GCCTTTGTATCTGTGGGACCCTCTATGTCGTCTATAACACCCGCTGCTGCCAGTCCGGCC
CGCATCCAGTGTCTTTGATGCCAGCGGCACCCTGACCCTGAACGGGCAGCACTCCCT
TATTTTCCCAGCAGATATGGTGGCCATGCCAGCCTCCGCTATAACCCCGAGAACGCCAG
GAGGAGGTTTGGAGAGCTAGCCTTGTGTTTTTGCATCTTTCTCACTCCCATACATTTATAT
TATATCCCACCTAAATTTCTTGTCTCATTCTTCAAATGTGGCCAGTTGTGGCTCAAA
TCCTCTATATTTTAGCCAATGGCAATCAAATCTTTCAGCTCCTTTGTTTCATACGGAA
CTCCAGATCCTGAGTAATCCTTTTAGAGCCGAAGAGTCAAAACCCTCAATGTTCCCTCC
TGCTCTCTGCCCATGTCAACAAATTTTCAAGGTAAGGATGCCCCAGACCAGGGCTCTA
ACCTTGTATGCGGGCAGGCCAGGGAGCAGGCAGCAGTGTCTTCCCCTCAGAGTGACTT
GGGGAGGGAGAAATAGGAGGAGACGTCCAGCTCTGCTCTCTTCTCACTCCTCCCTTC
AGTGTCTGAGGAACAGGACTTTCTCCACATTGTTTTGTATTGCAACATTTTGCATTA
AGGAAAATCCACTGCAAA
AAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_020190
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_020190.2](#), [NP_064575.1](#)

RefSeq Size: 1852 bp

RefSeq ORF: 1221 bp

Locus ID: 56944

UniProt ID: [Q9NRN5](#)

Cytogenetics: 1p13.2

Domains: OLF

Protein Families: Secreted Protein

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 (1) encodes the longest isoform (1).