# Recombinant Human OLFML3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** OLFML3-1815H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | OLFML3 MS Standard C13 and N15-labeled recombinant protein (NP_064575) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | This gene encodes a member of the olfactomedin-like gene family which also includes genes encoding noelin, tiarin, myocilin, amassin, optimedin, photomedin, 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. |
| **Molecular Mass** | 46 kDa |
| **AA Sequence** | MGPSTPLLILFLLSWSGPLQGQQHHLVEYMERRLAALEERLAQCQDQSSRHAAELR DFKNKMLPLLEVAEKEREALRTEADTISGRVDRLEREVDYLETQNPALPCVEFDEKV TGGPGTKGKGRRNEKYDMVTDCGYTISQVRSMKILKRFGGPAGLWTKDPLGQTEKI YVLDGTQNDTAFVFPRLRDFTLAMAARKASRVRVPFPWVGTGQLVYGGFLYFARR PPGRPGGGGEMENTLQLIKFHLANRTVVDSSVFPAEGLIPPYGLTADTYIDLAADEE |

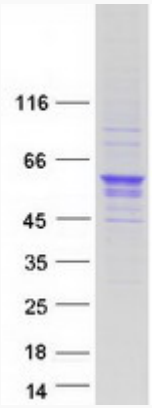
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| | GLWAVYATREDDRHLCLAKLDPQTLDTEQQWDTPCPRENAEAAFVICGTLYVVYNTRPASRARIQCSFDASGTLTPERAALPYFPRRYGAHASLRYNPRERQLYAWDDGYQIVYKLEMRKKEEEVTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| **Storage** | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| **Concentration** | 50 μg/mL as determined by BCA |
| **Storage Buffer** | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

## GENE INFORMATION

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| **Gene Name** | OLFML3 olfactomedin-like 3 [ Homo sapiens (human) ] |
| **Official Symbol** | OLFML3 |
| **Synonyms** | OLFML3; olfactomedin-like 3; olfactomedin-like protein 3; HNOEL iso; OLF44; hOLF44; HNOEL-iso; |
| **Gene ID** | 56944 |
| **mRNA Refseq** | NM_020190 |
| **Protein Refseq** | NP_064575 |
| **MIM** | 610088 |

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| **UniProt ID** | Q9NRN5 |
| **SDS-PAGE** |  |



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