

Product datasheet for **RR205517**

Olfm1 (NM_053573) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Olfm1 (NM_053573) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olfm1
Synonyms:	D2Sut1e; Noe1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR205517 representing NM_053573
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGTGCCGCTGCTGAAGATCGGGGTCGTGCTAAGCACCATGGCCATGATCACCAACTGGATGTCCC
 AGACGCTGCCCTCGTGTGGGCTCAATACCACCCGGCTCTCGGCCGCCAGCGCGGGACGCTGGACCG
 CAGCACCGGCGTGTGCCACCAACCCGAGGAGAGCTGGCAGGTGTACAGCTCTGCCCAGGACAGTGAG
 GGCAGGTGTATCTGCACGGTGGTCGCCCCCAGCAGACCATGTGTTACGGGATGCCCGCACAAAACAGC
 TGAGGCAGCTACTGGAGAAGGTGCAAAACATGTCTCAATCCATAGAAGTCTTGACAGGCGGACTCAGAG
 AGACCTGCAGTACGTGGAGAAGATGGAGAACCAGATGAAAGGCCTGGAGTCCAAGTTCAGGCAGGTGGAG
 GAGAGCCATAAGCAGCATCTGGCCAGGCAGTTCAGGCAATAAAAGCGAAATGGATGAAGTTCAGGCCTT
 TGATTCTGTGTTGGAAGAGTACAAGGCCGATGCCAAATTGGTATTGCAGTTTAAGGAGGAGGTCCAGAA
 TCTGACGTCAGTGCTTAACGAACTGCAAGAGGAAATTGGCGCCTATGACTACGATGAAGTTCAGAGCAGA
 GTGTCCAATCTTGAAGAAAGGCTCCGTGCATGCATGCAAAAACTAGCCTGCGGGAAGCTGACAGGCATAA
 GTGACCCGGTGACTGTCAAGACCTCAGGCTCAAGGTTTCGGGTCTGGATGACAGACCCACTGGCCCCAGA
 AGGTGATAACCGGCTCTGGTACATGGATGGTTATCACAAACCGCTTTGTCCGTGAGTACAAGTCCATG
 GTGGACTTCATGAACACGGATAATTTTACCTCGCACCGTCTCCACACCCCTGGTCGGGCACGGGCCAGG
 TGGTCTACAATGGCTCCATCTATTTCAACAAATTCAGAGTACATTATCATTAGGTTTGACCTGAAGAC
 AGAGACGATCCTGAAGACGCGGAGCCTGGACTACGCTGGCTACAACAACATGTACCACTATGCCTGGGGC
 GGCCACTCAGACATCGACCTCATGGTGGACGAGAACGGGCTCTGGGCCGTCTACGCCACAAACAGAACG
 CAGGCAACATTGTCATCAGCAAGCTGGATCCTGTCTACTGCAAACTCTCCAGACCTGGAACACCAAGCTA
 CCCCAGCGCAGCGCCGCGGAGGCCTTCATCATCTGCGGCACCCCTCTACGTACCAACGGTTACTCGGGG
 GGCACCAAGGTCCACTATGCCTACCAACCAACGCTCGACCTACGAGTACATTGACATCCCTTCCAGA
 ACAAATACTCTCACATCTCCATGCTGGACTACAACCTAAAGACCGCGCGCTGTACGCTGGAACACG
 CCATCAGACCCTCTACAACGTCACCCTCTCCACGTCATCCGCTCCGATGAGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205517 representing NM_053573
 Red=Cloning site Green=Tags(s)

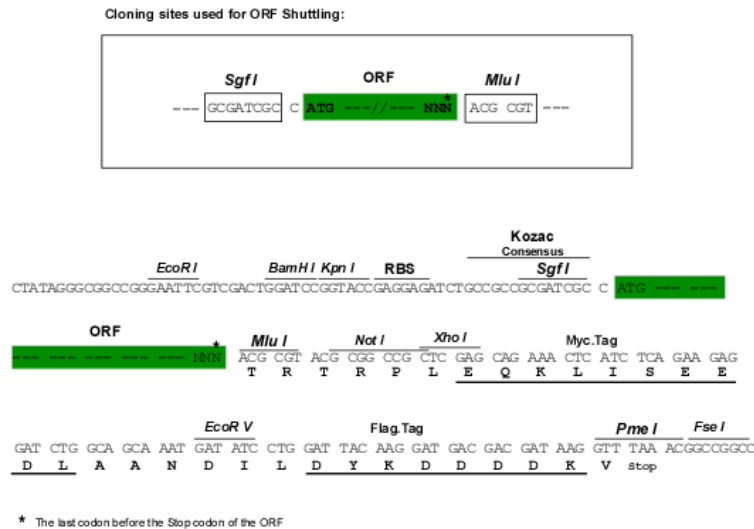
MSVPLLKIGVVLSTMAMITNWSQTLPSLVGLNTRLAASGGTLDRSTGVLPTNPESWQVYSSAQDSE
 GRCICTVAPQQTMCSDARTKQLRQLLEKVQNMSSIEVLDRRTQDLQYVEKMENQMKGLESKFRQVE
 ESHKQHLARQFKAIKAKMDELRLIPVLEEYKADAKLVLFKEEVQNLTSVLNELQEEIGAYDYDELQSR
 VSNLEERLRACMQKLACGKLTGISDPVTVKTSGRFSGSWMTDPLAPEGDNRVWYMDGYHNNRFVREYKSM
 VDFMNTDNFTSHRLPHPWSGTGQVYNGSIYFNKFQSHIIIRFDLKTETILKTRSLDYAGYNNMYHYAWG
 GHSDIDLMDENGLWAVYATNQAGNIVISKLDPVSLQILQTWNTSYPKRSAGEAFIICGLTYVTNGYSG
 GTKVHYAYQTNASTYIDIPFNKYSHISMLDYNPKDRALYAWNNGHQLYNNVTLFHVIRSDEL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_053573

ORF Size: 1455 bp

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: [NM_053573.1](#), [NP_446025.1](#)

RefSeq Size: 2759 bp

RefSeq ORF: 1458 bp

Locus ID: 93667

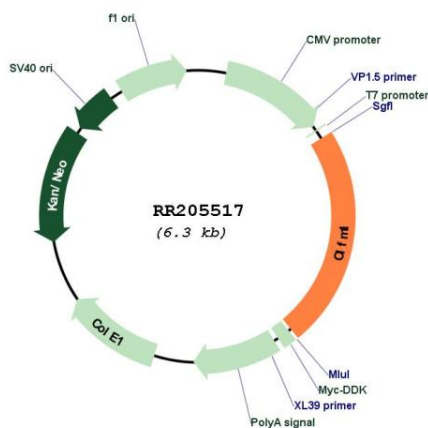
UniProt ID: [Q62609](#)

Cytogenetics: 3p12

MW: 55.4 kDa

Gene Summary: gene produces four distinct neuronal glycoproteins [RGD, Feb 2006]

Product images:



Circular map for RR205517