

Product datasheet for MR205479

Vegfd (NM_010216) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vegfd (NM_010216) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vegfd
Synonyms:	A1325264; Fig; Figf; VEGF-; VEGF-D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205479 representing NM_010216 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGGAGAATGGGAATGGGAATATCCTCATGATGTTCCATGTGTACTTGGTGCAGGGCTTCAGGA
GCGAACATGGACCAGTGAAGGATTTTTCTTTGAGCGATCATCCCGTCCATGTTGGAACGATCTGAACA
ACAGATCCGAGCAGCTTCTAGTTGGAGGAGTTGCTGCAAATCGCGCACTCTGAGGACTGGAAGCTGTGG
CGATGCCGGTTGAAGCTCAAAGTCTTGCCAGTATGGACTCACGCTCAGCATCCCATCGTCCACCAGAT
TTGCGGCAACTTTCTATGACTGAAACTAAAAGTTATAGATGAAGAATGGCAGAGGACCCAATGCAG
CCCTAGAGAGACATGCGTAGAAGTCGCCAGTGAAGTGGGGAAGACAACCAACACATTTCTCAAGCCCCC
TGTGTAATGTCTTCCGGTGTGGAGGCTGCTGCAACGAAGAGGGTGTGATGTGTATGAACACAAGCACCT
CCTACATCTCAAACAGCTCTTTGAGATATCAGTGCCCTGACATCAGTGCCCGAGTTAGTGCTGTTAA
AATTGCCAACCATACGGGTTGTAAGTGCTTGCCACGGGCCCCGCCATCCTTACTCAATTATCAGAAGA
TCCATTCAGACCCAGAAGAAGATGAATGTCCTCATTCCAAGAACTCTGTCTATTGACATGCTGTGGG
ATAACACCAAATGTAATGTGTTTTGCAAGACGAGACTCCACTGCCTGGGACAGAAGACCACTCTTACCT
CCAGGAACCCACTCTCTGTGGACCGCACATGACGTTTGATGAAGATCGCTGTGAGTGCCTGTGAAAGCA
CCATGTCCGGGAGATCTCATTGACACCCGAAACTGCAGTTGCTTTGAGTGCAAGAAAGTCTGGAGA
GCTGTGCCAAAAGCACAAAGATTTTTACCCAGACACCTGCAGCTGTGAGGACAGATGTCCTTTTCACAC
CAGAACATGTGCAAGTAGAAAGCCAGCCTGTGGAAGCACTGGCGCTTTCCAAGGAGACAGGGCCACG
GGACTCTACAGCCAGGAGAACCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205479 representing NM_010216
Red=Cloning site Green=Tags(s)

MYGEWGMGNILMMFHVYLVQGRSEHGPKDFSFERSRSMLESEQQIRAASSLEELLQIAHSEDWKLW
 RCRLKCLKSLASMDRSRASHRSTRFAATFYDTETLKVIDEEWQRTQCSPRETCVEVASELTKTTNTFFKPP
 CVNVFRCGGCCNEEGVMCMNTSTSYISKQLFEISVPLTSVPELVPVKIANHTGCKCLPTGPRHPYSIIRR
 SIQTPEEDECPHSKKLCPIDMLWDNTKCKCVLQDETPPLGTEHDHSHYLQEPTLCGPHMTFDEDRCECVCKA
 PCPGDLIQHPENCSCFECKESLESCCQKHKIFHPDTCSCEDRCPFHTRTTCASRKACGKHWRFPKETRAQ
 GLYSQENP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010216

ORF Size: 1074 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_010216.2](#), [NP_034346.1](#)

RefSeq Size: 1890 bp

RefSeq ORF: 1077 bp

Locus ID: 14205

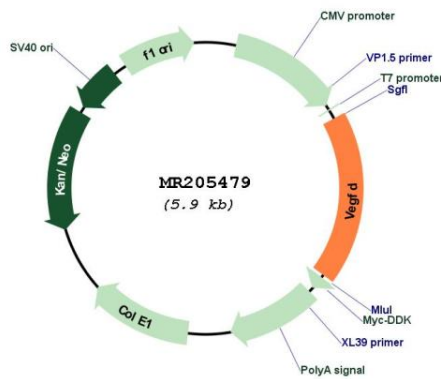
UniProt ID: [P97946](#)

Cytogenetics: X 76.35 cM

MW: 41.4 kDa

Gene Summary: This gene encodes a member of the vascular endothelial growth factor (VEGF) family that acts as a ligand for vascular endothelial growth factor receptor 3. Signalling through this protein is important for growth and development of endothelial and vascular tissue. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]

Product images:



Circular map for MR205479