

Product datasheet for RR215994

Vegfa (NM_001287108) Rat Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

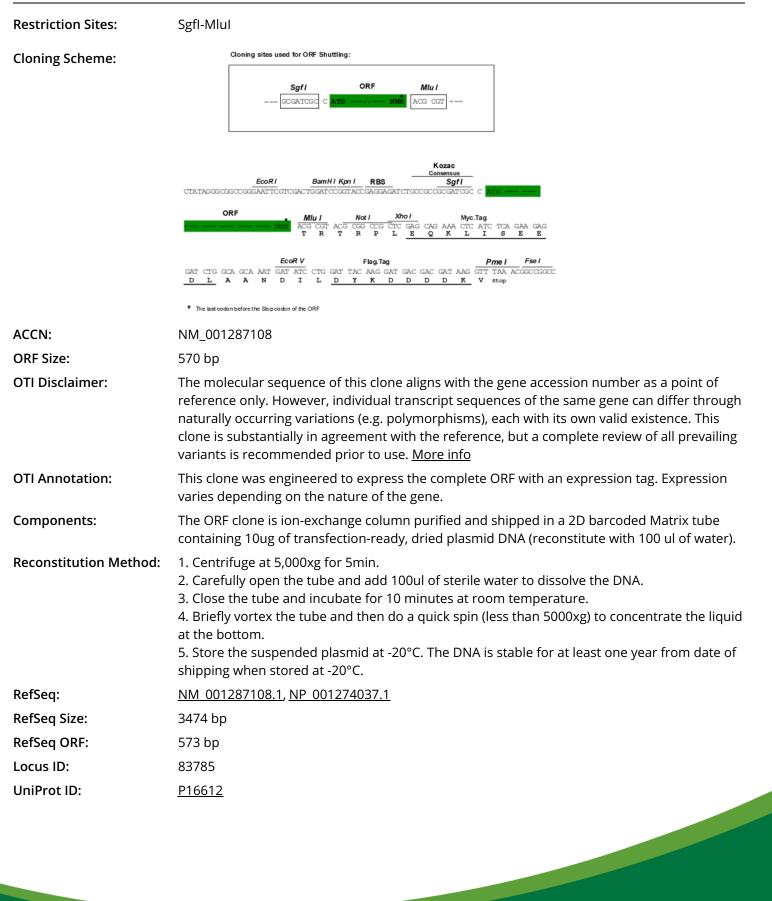
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	Vegfa (NM_001287108) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vegfa
Synonyms:	Vegf; VEGF-A; VEGF111; VEGF164; VPF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RR215994 representing NM_001287108 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGAACTTTCTGCTCTCTTGGGTGCACTGGACCCTGGCTTTACTGCTGTACCTCCACCATGCCAAGTGGT CCCAGGCTGCACCCACGACAGAAGGGGAGCAGAAAGCCCATGAAGTGGTGAAGTTCATGGACGTCTACCA GCGCAGCTATTGCCGTCCAATTGAGACCCTGGTGGACATCTTCCAGGAGTACCCCGATGAGATAGAGTAT ATCTTCAAGCCGTCCTGTGTGCCCCTAATGCGGTGTGCGGGGCTGCTGCAATGATGAAGCCCTGGAGTGCG TGCCCACGTCGGAGAGCAACGTCACTATGCAGATCATGCGGATCAAACCTCACCAAAGCCAGCACATAGG AGAGATGAGCTTCCTGCAGCATAGCAGATGTGAATGCAGACCAAAGAAAG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RR215994 representing NM_001287108 Red=Cloning site Green=Tags(s)
	MNFLLSWVHWTLALLLYLHHAKWSQAAPTTEGEQKAHEVVKFMDVYQRSYCRPIETLVDIFQEYPDEIEY IFKPSCVPLMRCAGCCNDEALECVPTSESNVTMQIMRIKPHQSQHIGEMSFLQHSRCECRPKKDRTKPEN HCEPCSERRKHLFVQDPQTCKCSCKNTDSRCKARQLELNERTCRCDKPRR
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

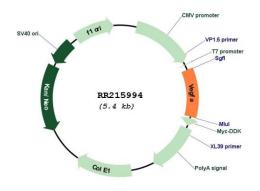
Section 2012 CRIGENE Vegfa (NM_001287108) Rat Tagged ORF Clone – RR215994



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

	Vegfa (NM_001287108) Rat Tagged ORF Clone – RR215994
Cytogenetics:	9q12
MW:	22.4 kDa
Gene Summary:	This gene is a member of the PDGF/VEGF growth factor family. It encodes a heparin-binding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. There is also evidence for alternative translation initiation from upstream non-AUG (CUG) codons resulting in additional isoforms. A recent study showed that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is antiangiogenic. Expression of some isoforms derived from the AUG start codon is regulated by a small upstream open reading frame, which is located within an internal ribosome entry site. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RR215994

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US