

Product datasheet for **MC209638**

Vegfb (NM_011697) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vegfb (NM_011697) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vegfb
Synonyms: VEGF-B; Vrf
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209638 representing NM_011697
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCCCCCTGCTCCGTCGCTGCTGCTTGTGCACTGCTGCAGCTGGCTCGCACCCAGGCCCTGTGT
CCCAGTTTGATGGCCCCAGCCACCAGAAGAAAGTGGTGCCATGGATAGACGTTTATGCACGTGCCACATG
CCAGCCCAGGGAGGTGGTGGTGCCTCTGAGCATGGAACATCATGGGCAATGTGGTCAAACAACCTAGTGCC
AGCTGTGTGACTGTGCAGCGCTGTGGTGGCTGCTGCCCTGACGATGGCCTGGAATGTGTGCCACTGGGC
AACACCAAGTCCGAATGCAGATCCTCATGATCCAGTACCCGAGCAGTCAGCTGGGGGAGATGTCCCTGGA
AGAACACAGCCAATGTGAATGCAGACCAAAAAAAAAAGGAGAGTGTGTGAAGCCAGACAGGGTTGCCATA
CCCCACCACCGTCCCCAGCCCCGCTCTGTTCCGGGCTGGGACTCTACCCCGGGAGCATCCTCCCCAGCTG
ACATCATCCATCCCCTCCAGCCCCAGGATCCTCTGCCCGCTTGACCCAGCGCCGTCAACGCCCTGAC
CCCCGGACCTGCCGCTGCCGCTGCAGACGCCCGCTTCTCCATTGCCAAGGGCGGGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011697
Insert Size: 624 bp

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).



[View online »](#)

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:	<ol style="list-style-type: none">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:	<u>NM_011697.3</u> , <u>NP_035827.1</u>
RefSeq Size:	1298 bp
RefSeq ORF:	624 bp
Locus ID:	22340
UniProt ID:	<u>P49766</u>
Cytogenetics:	19 A
Gene Summary:	<p>Growth factor for endothelial cells. VEGF-B167 binds heparin and neuropilin-1 whereas the binding to neuropilin-1 of VEGF-B186 is regulated by proteolysis. VEGF-B seems to be required for normal heart function in adult but is not required for proper development of the cardiovascular system either during development or for angiogenesis in adults.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (Vegf-b186).</p>