

Product datasheet for **RN215074**

Vgf (NM_030997) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vgf (NM_030997) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vgf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215074 representing NM_030997
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAACCTTCACGTTGCCAGCATCCGTCCTTCTGCTTCTCTACTCATCCGGGGTTGGGAGCAG
 CACCCCGGGGCTCCGATGTTTATCCTCCTCCCTCGGCTCTGAGCATAATGGGCAGGTAGCTGAGGA
 CGCAGTGTCCCGGCCAAAGGATGACAGCGTCCCAGAGGTCGAGCGGCTCGGAATTCGAGCCTCAGGAC
 CAGGGAGAGCTCTCCAGGGCGTGGATCCCGGGCGCTGGCCGCGTACTGTTGCAGGCACTGGACCGTC
 CGGCTCGCCCCGGCTGTCCCGCAGGTTCCAGCAGGGAACCCGAAGAAGCAGCAGAAGCTCTGCT
 GACCGAGTCCGTGCGCAGTCAGACCCATAGCCTCCCGCATCAGAAATCCAAGCGTCCGCTGTGGCGCC
 CCTCGCCCTCAGACTCAGGACAACGATCCCGAGGCAGACGACCGCTCAGAAGAGCTGGAGGCACTAGCAT
 CCTTGCTCCAAGAACTTCGAGATTTTCAGTCCGAGTAATGCTAAGCGCCAGCAAGAGACGGCGGCAGCAGA
 GACTGAAACCCGCACGCACACGCTGACCCGAGTCAATCTGGAGAGCCCCGGGCCAGAGCGGTATGGCGC
 GCTTCCGAGGAGAGTTCCAGGCGCGCTCCCGAGCGTCTCCTCTGCCGCCCTCGGTCCCTTCTCAAT
 TCCAGGCTCGAATGTCCGAAAACGTTCCCTTCCCGAAAACCCATCAGTTCGGGGAAGGAGTGTCTCCCC
 TAAACACATCTTGGTGAGACTTTGACACCCCTTATCCAAGGCGTACCAAAGTCTAAGTGGCCCCCTCCCC
 AAGGTGCGTCGGCTCGAGGGCTCATTCTGGGCGGTTCCGAGGCAGGAGAGCGCTGTTCAACAAGGT
 TAGTCCAGGTAGAGGCAGGGAGGAGGCAGGCGGAGGCCACCCGGCAGGCCGACGCAAGAAGAGCGGCT
 GGCCGATCTCGCTCCGACCTGCTGCTCCAGTATTTGCTGCAGGGCGGCCCGGAGCGCATCTCGGG
 GGTCCGGGCTGCAGGAGACGCAGCAAGAGCGGGAACGAGAGGGAGGAGGAGGCGGAGCAGGAGAGAC
 CGGTGGTGGGAGGACGAGGTGGGGGAAGAGGATGAGGAGGCGGCAGAGCGGAGGCGGAGGCAGAGGA
 GGCGGAGAGGGCGCGCAGAACGCGCTCCTGTTCCGCGAGGAGGAGGACGGGGAAGCCGGAGCCGAGGAC
 AAGCGCTCCAGGAGGAGGCGCCAGGCCATCGGCGGAAGGATGCTGAGGGACAGAGGAGGGCGGGAGG
 AGGATGACGACGCAAGAGATGGATCCGACAGCATCGATAGTCTCATTGAACTGTCCACCAAACCTCCA
 CCTGCCAGCAGACGATGTGGTCAGCATCATCGAAGAGGTGGAGGAGAAACGGAAGCGGAAGAAGAAGCC
 CCTCCGAGCCGGTGCCTCCCCCAGGGCTGCCAGCCCCGACCCATGTCCGCTCCCCGAGCCCCCAC
 CTCCCGCCCCGGCCGGGATGAGTTGCCGACTGGAACGAAGTACTCCACCTGGGATCGGAGGAGGA
 TGAGGTGTTTCCCCGGGGCCATCACCCCTCCCAAACACATTCCGCGCGGACACTGCAGCCGCC
 GCATCTCCCGCGCCGTCATTCCATACGCGTTGCCACCTGCGCGCCACCATCCCGATCTGGAGGCC
 AGGCCAGGCGCGCAGGAGGAAGCGGACGCGGAGGAGCGCGCTGCAGGAGCAGGAGGAGCTGGAGAA
 TTACATTGAGCACGTGCTGCTGCACCGCCCG**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_030997

Insert Size: 1854 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).

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_030997.1](#), [NP_112259.1](#)

RefSeq Size: 2636 bp

RefSeq ORF: 1854 bp

Locus ID: 29461

UniProt ID: [P20156](#)

Cytogenetics: 12q12

Gene Summary: peptide growth factor that plays a key role in neuronal differentiation and survival; may regulate synaptic function in hippocampal neurons [RGD, Feb 2006]