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Product datasheet for MC219779

Vgf (NM_001039385) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vgf (NM_001039385) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vgf
Synonyms:	Gm1052
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC219779 representing NM_001039385
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAACCTTCACGTTGCCGGCATCCGTCCTCTTCTGCTTCCTTCTACTGATCCAGGGGTTGGGAGCAG
CGCCCCCCGGGCGCCCCGATGTTTTTCCTCCTCCCCTCAGCTCTGAGCATAATGGGCAGGTAGCTGAGGA
CGCAGTGTCCCGGCCAAAGGATGACGGCGTACCAGAGGTCCGAGCTGCTCGGAATCCCGAGCCTCAGGAC
CAGGGAGAGCTCTTCCAGGGCGTGGATCCCCGGGCGCTGGCCTCGGTACTGTTGCAGGCACTGGACCGTC
CGGCCTCGCCCCCGTCGGTCCCGGGAGGTTCCCAGCAGGGAACACCCGAAGAAGCAGCAGAAGCTCTGCT
GACCGAGTCCGTGCGCAGTCAGACCCATAGCCTCCCGGCACCAGAAATCCAAGCGCCCGCTGTGGCCCCC
CCTCGCCCTCAGACTCAGGACCGCGATCCCGAGGAGGACGACCGCTCAGAAGAGCTGGAGGCGCTAGCAT
CCTTGCTCCAAGAACTTCGAGATTTCAGTCCGAGCAATGCTAAGCGCCAACAAGAGACGGCGGCAGCAGA
GACTGAAACCCGCACGCACACGCTGACCCGAGTCAATCTGGAGAGCCCCGGGCCAGAGCGCGTGTGGCGC
GCTTCCTGGGGAGAGTTCCAGGCGCGCGTTCCGGAGCGCGCTCCTCTTCCGCCCCCGGTCCCTTCCCAAT
TCCAGGCTCGAATGTCCGAAAGCGCTCCCCTTCCCGAAACTCATCAGTTCGGGGAAGGAGTGTCCTCCCC
TAAAACACATTTAGGTGAGACTTTGACACCCTTATCCAAGGCGTATCAAAGTCTAGGTGGCCCCTTCCCT
AAGGTGCGCCGGCTCGAGGGCTCATTCCTGGGCGGCTCCGAGGCAGGAGAGCGCCTGCTTCAGCAAGGAT
TAGCTCAGGTAGAGGCAGGGAGGAGACAGGCGGAGGCCACCCGGCAGGCCGCGGCGCAAGAAGAGCGGCT
GGCCGATCTCGCCTCCGACCTGCTGCTCCAGTATCTGTTGCAGGGCGGAGCCCGGCAGCGCGATCTCGGG
GGTCGCGAGCTGCAGGAGACGCAGCAAGAGCGGGAGAACGAGAGGGAGGAGGAGGCAGAGCAGGAGAGGC
GAGGTGGTGGGGAGGACGATGTGGGGGAAGAGGATGAGGAGGCGGCGGAGGCGGAGGCGGAGGCAGAGGA
GGCGGAGAGGGCGCGGCAGAACGCACTCCTGTTCGCCGAGGAGGAGGACGGGGAAGCCGGAGCCGAGGAC
AAACGCTCCCAGGAGGAGGCGCCAGGCCATCGGCGGAAGGATGCTGAGGGGGCAGAGGAGGGCGGGGAGG
AGGATGACGACGACGAGGAGATGGATCCGCAGACGATCGATAGTCTCATTGAACTGTCCACCAAACTCCA
CCTGCCAGCAGACGATGTGGTCAGCATCATCGAAGAGGTGGAGGAGAAACGGAAGCGGAAGAAGAACGCC
CCTCCCGAGCCGGTGCCGCCTCCCAGGGCTGCCCCAGCCCCGACCCATGTCCGCTCTCCGCAGCCCCCAC
CTCCCGCCCCAGCCCGGGATGAGTTGCCGGACTGGAACGAAGTGCTCCCACCCTGGGATCGGGAGGAGGA
TGAGGTGTTTCCCCCGGGGCCCTATCACCCCTTCCCAAACTACATTCGGCCGCGGACACTGCAGCCGCCC
GCATCCTCCCGCCGCCGTCACTTCCATCACGCGTTGCCACCTGCGCGCCACCATCCGGATCTGGAGGCCC
AGGCCAGGCGCGCGCAGGAGGAAGCGGACGCGGAGGAGCGCCGGCTGCAGGAGCAGGAGGAGCTGGAGAA
TTACATTGAGCACGTGCTGCTGCACCGCCCGTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001039385

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).

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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_001039385.1, NP_001034474.1
RefSeq Size:	2553 bp
RefSeq ORF:	1854 bp
Locus ID:	381677
UniProt ID:	Q0VGU4
Cytogenetics:	5 76.13 cM
Gene Summary:	Neurosecretory protein VGF: Secreted polyprotein that is packaged and proteolytically processed by prohormone convertases PCSK1 and PCSK2 in a cell-type-specific manner (By similarity). VGF and peptides derived from its processing play many roles in neurogenesis and neuroplasticity associated with learning, memory, depression and chronic pain (PubMed:19863797, PubMed:26180209, PubMed:30504797).[UniProtKB/Swiss-Prot Function]

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