

Product datasheet for **SC127530**

VG5Q (AGGF1) (NM_018046) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VG5Q (AGGF1) (NM_018046) Human Untagged Clone
Tag:	Tag Free
Symbol:	VG5Q
Synonyms:	GPATC7; GPATCH7; HSU84971; HUS84971; VG5Q
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC127530 sequence for NM_018046 edited (data generated by NextGen Sequencing)

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ATGGCCTCGGAGGCGCCGTCCCCGCCGGTCGCCGCCGCCACCTCCCCCGAGCCT
GAGCTGGCCCAGCTAAGCGGAAGGTGGAGAAGTTGGAACGTGAAGTGGGAGCTGCAAG
CGGCAGGTGCGGGAGATCGAGAAGCTGCTGCATCACACAGAACGGCTGTACCAGAACGCA
GAAAGCAACAACCAGGAGCTCCGCACGCAGGTGGAAGAAGTCACTAAAATACTCCAACGT
GGGAGAAATGAAGATAATAAAAAAGTCTGATGTAGAAGTACAACAGAGAACCATGCTCCT
TGGTCAATCTCAGATTATTTTTATCAGACGTAACAATGACGTTAGTCTTCCAAATAAA
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GAAGATACCTCCTTAGAAGGCTCATCATTAGCTGAAAAGTTTGGAGCTGCAGCAGAAGCG
GCTGTATCACAGACTGGATTTAGTTATGATGAAAATACTGGACTGTATTTTGACCACAGC
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TATCCGACTTCTAGCACAAAACAAGTAAAGATAAAAAATTGAAGAAGAAAAGAAAAGAT
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AACAAAGGTGCGAAGATGTTGGAGAAGATGGGTTGGAAGAAAAGGAGAGGGCCTGGGGAAG
GATGGTGGAGGAATGAAAACGCCGATCCAGCTTCAGCTTCGGCGAACACATGCAGGCTTG
GGGACAGGCAACCATCCTCATTGAAGATGTTACCTTCTCCAAAACAAGAACAAAAA
AACTGGGACAAAGCACGAGAGCGGTTTACTGAAAACCTCCAGAAAATAAGACTCAAAAA
GATGACCCAGGGACCATGCCTTGGGTAAGGGACTTTAGAGTGA

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Clone variation with respect to NM_018046.4
2092 c=>a

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_018046 unedited</p> <pre> TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGCTCAACTGGG GAGCTGCTGGAGCTCTTCTGGCCCTGTTTCCGACTGCTTATCCGACGCTCCTCCCTC TGTCTCTGTAGCTGGAGAAGGTAGTTTCCAGGAAAAGTTTTCCGGTTTGCAGGCCGCGCAC ATCGGGCAGGGGCCATCCTCGGTCCCCTTGCTCGTTGCTCGCAGCCCCGTTCCGGCTACAA GTGAGTTTTCAGGGCGTCATGGCCAGGGGCCACCCGGCCAGCCGGGTGTGAGGCTGCCTT TCGCTGCCCGCGCGCTCCAGTGGTCTCTGGGTCCGCGGCGTCCGTTTTCGGCTGAACGC AGCCCCCTCCGCGCGACGAGCAGTCTCGCGCCGAGCTCATGGCCTCGGAGGCGCGCTCC CCGCCGCGGTTCGCCGCCGCCACCTCCCCGAGCCTGAGCTGGCCAGCTAAGGCGG AAGGTGGAGAAGTTGGAACGTGAACTGCGGAGCTGCAAGCGCAGGTGCGGGAGATCGAG AAGCTGCTGCATCACACAGAACGGCTGTACCAGAACGCAGAAAGCAACAACCAGGAGCTC CGCACGCAGGTGGAAGAACTCAGTAAAATACTCCAACGTGGGAGAAATGAAGATAATAAA AAGTCTGATGTAGAAGTACAAACAGAGAACCATGCTCCTTGGTCAATCTCAGATTATTTT TATCAGACGTAACAATGACGTTAGTCTTCCANATAAGTGACTGAACTGTCAGATCAAC AAGATCAAGCTATTCGAAACTTTCTATTTTGAATTNCTAAGACCATTTACAAGTAGAAAA TGATGCTTTACCCTGNTACCGATAGAACAGNAAATGTTAN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_018046 unedited</p> <pre> TTTTTGGACCCGCGGCCGAATCTAGNATCGAGTTTTTTTTTTTTTTTTTAAATGTTATA ATGTTTTTATTGCAATTGAGGATGTTTTCAATAAGTATCTTGAGCTTGAGGCCCTGGCTA AGTATTCCTTTTGTACTAAAAATCAGATTTCTCTGGCACAATTCATTGCCTGCAATGGT CTTTATCAAAACTACAAAAGCCAGCACACTATTTCAATATGTATTCAGTTGTTTCATATCT AAATACCTCATTAGCTATGAAACAACCAATATAAATGCTGAATATACAGTACATAGCA ACAGATTTCTTACAGAAGAAAACAATGAAAGACTAATTTTCTACAATATGTTACCTGTTT ATTAGTCTTCAATAACATTACTTAGGCTATTTCAAGGATAACAAAATGTATGCGCCACT ACCCATGTTTTCGCAACATTTTTTACCTAGGTTCTAAAGGGAATAAATGAGGATGCATAT AGTCAGATTTATTTTTATAAACTTCTGATGTTTCTTTTGTGGGCATCTTACATGAATAT ATGGAGACAAGAACAGATGTACACTTAAGTCATTAGTAGTTCTATGAATTTTGCTTATAT GGCTAGTTGCTTATATGGATGTTGTAATGACAAGATAAAATACGAAGTTNGATAAACTC ATCCGTGCCCTGTGAACTTANTCTATTTACTGCATAAATNGTTCAGTCACTAATTTATA GGTTTTAAAAAATGGGTTTTTAAAGCTGGCAACATACCCATTNCTGAATCAGGAAGAGGT AAACTGTGACATAGTCCCTGGGCTGCTGAATCTTTTTGGGAAGAAAATAAGNTTCCAAA TTCTATTTTTAAAAAATAGGTTTTTTTCTTGAATAGCCCTCACTCTAAGCCCTT TAACCANGCATGGCCCTGGCCATCTTTTGGAGCTTAATTTTGGGAAN </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018046
Insert Size:	3330 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_018046.3](#), [NP_060516.2](#)

RefSeq Size: 4480 bp

RefSeq ORF: 2145 bp

Locus ID: 55109

UniProt ID: [Q8N302](#)

Cytogenetics: 5q13.3

Domains: FHA, G-patch

Protein Families: Secreted Protein

Gene Summary: This gene encodes an angiogenic factor that promotes proliferation of endothelial cells. Mutations in this gene are associated with a susceptibility to Klippel-Trenaunay syndrome. Pseudogenes of this gene are found on chromosomes 3, 4, 10 and 16.[provided by RefSeq, Sep 2010]