

## Product datasheet for **SC122736**

### AGFG2 (NM\_006076) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AGFG2 (NM_006076) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGFG2
Synonyms:	HRBL; RABR
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_006076 edited
GCCGGCGTGCGGAGGCGGCTGAGGAGGCGGGAAGGCGGCAGTGGTTGAAGGGTGATTG
CTGACTAGCGGGGAGGGAGTGGGAGCGATGGTATGGCGGCAAGAAGGGCCCGGGCC
GGGCGGCGGGGTGAGCGGGGCAAGGCGGAGGCGGAGGCGGCCTCGGAGGTGTGGTGCC
TCGGGTGCGGGAGCTGGTGGCTGCAGCCAGGCGGGAACCGCCACTGCTTCGAGTGCCG
CCAGCGCGGGGTACCTACGTGGATATCACCGTGGGAGCTTCGTGTGCCACCCTGCTC
CGCCCTCTGAGAGGGCTGAACCCCTCATCGTGTCAAGTCAATCTCCATGACAACTTT
CACTGAGCCTGAAGTAGTATTCCTGCAATCCCGTGGAAATGAGGTTTGCCGGAAGATTTG
GTTGGGTCTGTTTATGCTCGGACATCTTAGTACCAGATTCCAGGGATCCTCAGAAAAGT
GAAGGAGTTTCTCAGGAAAAATATGAGAAGAAGAGATGGTATGTCCCCCAGACCAAGT
CAAGGGGCCCACTTATACCAAAGGCAGTGCCTCCACCCCTGTGCAGGGCTCCATCCAGA
AGGGAAGCCCTTCGGACACTTCTGGGTGATCCTGCACCGTCTCTCAGTTGCTGCCTC
CACCTCGAGCCAGCCGTGAGTCACTCAGCTCGGACATCCAGGCGCCGAGCACTCA
GCCACCTCCCACTCCTGTCAAAAAAGCCAGTACTGACCTGCTGGCTGACATCGGTGG
AGACCCCTTTGCTGCACCCAGATGGCACCAGCTTTTGTGCTTCCCTGCCTTTGGGGG
CCAGACACCTTCCAAGGAGGCTTTGCCAACTTTGATGCCTTAGCAGTGCCCCAGCTC
TTCTGTGTTTGAAGCCTCCCTCCAGCTGGTCAAGCCTCGTTCCAGGCCAGCCAACTCC
TGCAGGGAGCAGCCAGGGGACTCCATTTGGTGCCACTCCCTGGCACCCGCCAGTCAGCC
AAACAGCCTCGCAGACGTGGGAGCTTCTGGGACCCGGGGTGCCTCGTGCAGGTGTTCC
TAGCAGCCTTTCGGGATGGCTGGCCAGGTCCCCCGTCCAGTCTGTACGACGGGGCGG
CGGCGGCGGCAGCAGCACAGGGCTGGCCTTTGGAGCCTTCACTAACCTTTCACAGCTCC
CGCCGCCAGTCCCGCTGCCTTCCACCAACCCGTTCCAGCCAAATGGCTTGGCGCCAGG
GCCCGGCTTTGGGATGAGCAGTGTGGCCTGGCTTCCCCAGGCAGTGCCACCCACTGG
GGCCTTTGCCAGCTCCTTCCAGCACCGCTGTTCCCCCGCAGACCCCGCTTGTTCAGCA
GAGAATGGCTCTTCTCGGGACTTAGGATCAGCCAAGTTGGGGCAGAGGCCACTGAG
CCAGCCAGCTGGGATCTCCACCAACCCCTTATGACTGGACCCTCATCAAGCCATTTCGC
CTCCAAACCTCCAACCACCAACCCCTTCTGTAGCACTGTGTTTTGGGGGCTCTTCC
CTGCCTTCTGGGGCCCTCTGCTCCCTAGAGCTCTGGTGACCCTTGCCTGTGGGCATTT
CTATGGGCCTTGGGGATGGTGGAGGTGCTAATGCTTTGCTTGGGGCTACAGGTGAAAGG
TGGCTGCCCTCAGATTCCACAAAGCCTCTCTCCCTCCCTCGTCCACCCCAACCAGGC
AGGAAGCCAGGAGGAGTGCGGGAGGGCCTGACCTGGAGGAGTATGGTTGAGGGGGAG
GGATTTTTTCAAATGATCAGTCCCTGTGGAACAGCTTCCCTGGGCCTAGCTCGCCA
GCCTGTGCTCCTCATGGACGGGAGCGCAGTGGGGAAGGTAGGGGAAAGATGAGGCACAG
TGTTGATGGGGCAGTGACCAGACAGTCTGAGACCCAGAAGGCCAGGTGGCCAAAGTGC
TCTTGGTGGCCAGCTTGGCCAGCACACTTCTCCTCTGAGCACCCCTGCTGAAGGG
GTCCCCATTGTTTTGCTTCCCAGCGCCAGGATGAGCGGTTTACCATCGAGCTTACC
GGGCGGCTCCTGTCAAGCACTTATGTTAGCTGTTGGTGTATGTTGGATACCAAGTGT
TTTATATTTATACATAGAGAGGATTTTCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_006076 unedited TAGCGTCAAATTTTGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGGGCCGGG CGTGCGGAGGCGGCTGAGGAGGCCGGAAGGCGGCAGTGGTTGAAGGGGTGATTGCTGACT AGCGGGGAGGGAGTGGGCAGCGATGGTGTGGCGGCAAGAAGGGCCCGGGCCCGGGCGG CGGGGTACGCGGGGCAAGGCGGAGGCGGAGGCGGCCTCGGAGGTGTGGTCCCGTCCGGT GCGGGAGCTGGTGGCTGCAGCCAGGCCGGGAACCGCCACTGCTTCGAGTGCGCCACGCG CGGGTACCTACGTGGATATCACCGTGGCAGCTTCGTGTGCACCACCTGCTCCGGCCT CCTGAGAGGGCTGAACCCCTCATCGTGTCAAGTCAATCTCCATGACAACCTTCACTGA GCCTGAAGTAGTATTCTGCAATCCCGTGGAAATGAGTTTTCGCGAAAGATTTGGTTGGG TCTGTTTGTGCTCGGACATCTTAGTACCAGATTCCAGGGATCCTCAGAAAGTGAAGGA GTTTCTCCAGGAAAAATATGAGAAGAAGAGATGGTATGTCCCCCAGACCAAGTCAAGGG GCCCACTTATACCAAAGGCAGTGCCTCCACCCCTGTGCAGGGCTCCATCCAGAAGGGAA GCCCTTCGGACACTTCTGGGTGATCCTGCACCGTCTCTCAGTTGCTGCCTCCACCTC GAGCCAGCCCGTCAGTCACTCAGCTCGGACATCCAGGCCCGGAGCACTCAGCCACC TCCCACTCCTCTGTCAAAAAGCAGTACTGACCTGCTGGCTGACATCGGGGAAAACCCCTT GCTGCACCCAGAGGGCACCACTTTTGGTGCATTCTGCCT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_006076
<b>Insert Size:</b>	2260 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_006076.3</a> , <a href="#">NP_006067.2</a>
<b>RefSeq Size:</b>	2251 bp
<b>RefSeq ORF:</b>	1446 bp
<b>Locus ID:</b>	3268
<b>UniProt ID:</b>	<a href="#">O95081</a>
<b>Cytogenetics:</b>	7q22.1

**Gene Summary:**

This gene is a member of the HIV-1 Rev binding protein (HRB) family and encodes a protein with one Arf-GAP zinc finger domain, several phe-gly (FG) motifs, and four asn-pro-phe (NPF) motifs. This protein interacts with Eps15 homology (EH) domains and plays a role in the Rev export pathway, which mediates the nucleocytoplasmic transfer of proteins and RNAs. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Feb 2013]