

## Product datasheet for **RC214800A1V**

### Human GPR136 (OPN5) (NM\_181744) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human GPR136 (OPN5) (NM_181744) AAV Particle
Tag:	Myc-DDK
Symbol:	GPR136
Synonyms:	GPR136; GRP136; PGR12; TMEM13
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC214800 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGTTAAATCACACTGCCCTGCCTCAGGACGAGCGCCTGCCCATACCTTCGAGATGGGGATCCTT  
TTGCTTCCAACTTTCTTGGGAAGCGGATTTAGTGGCTGGCTTTACCTAACAAATAATTGGGATCTGTGC  
CACATTTGGAAATGGATATGTCCTTTACATGCTTCTAGACGAAAGAAGAAGCTGAGACCCGCTGAAATA  
ATGACTATCAATTTAGCAGTCTGTGATCTGGGGATTCAGTTGTAGGCAAGCCGTTACCATCATCTCTT  
GCTTTTGTCAACCGTGGGTGTTGGCTGGATCGGCTGCCGCTGGTATGGATGGGCTGGATTTTCTTTGG  
CTGTGGAAGCCTTATCACCATGACTGCTGTGAGCCTGGATCGATATTTGAAAATCTGCTATTTATCTTAT  
GGGTTTGGCTGAAAAGAAAGCACGCCTACATCTGCCTGGCAGCCATCTGGGCCTATGCTTCTTCTGGA  
CCACCATGCCCTTGGTAGGTCTGGGGACTACGTACCTGAGCCCTTCGGAACCTCGTGCACCCTGGACTG  
GTGGCTGGCCAGGCCTCGGTAGGGGGCCAGGTTTTTCATCCTGAACATCCTCTTCTTCTGCCTCTTGCTC  
CCAACGGCTGTGATCGTGTCTCCTACGTAAGATCATTGCCAAGGTTAAGTCTCTTCCAAAGAAGTAG  
CTCATTTGACAGTCGGATCCATAGCAGCCATGTGCTGGAAATGAACTGACAAAGGTAGCGATGTTGAT  
TTGTGCTGGATTCCTGATTGCCTGGATTCCTTATGCAGTGGTGTCTGTGTGGTCACTTTTGAAGGCCA  
GACTCCATTCCATACAGCTCTCTGTGGTGCCAAACCTACTTGCAAAAATCTGCAGCGATGTACAATCCCA  
TCAATTTACCAAGTTATTGATTACAAATTTGCCTGTTGCCAAACTGGTGGTTTGAAGCAACCAAGAAGAA  
GTCTCTGGAAGGCTTCAGGCTGCACACCGTAACCACAGTCAGGAAGTCTTCTGCTGTGCTGGAAATTCAT  
GAAGAGTGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Protein Sequence:</b>	<p>&gt;RC214800 protein sequence  <span style="color: red;">Red</span>=Cloning site <span style="color: green;">Green</span>=Tags(s)</p> <p>MALNHTALPQDERLPHYLRDGGPFASKLSWEADLVAGFYLTIIIGILSTFGNGYVLYMSSRRKKLRPAEIMTINLAVCDLGISVVGKPFPTIISCFCHRWFVFWIGCRWYGWAGFFFGCGSLITMTAVSLDRYLKICYLSYGWVKRKHAYICLAAIWAYASFWTMPLVGLGDYVPEPFGTSCITDWWLAQASVGGQVFILNILFFCLLLPTAVIVFSYVKIIAKVKSSSKEVAHFDSRIHSSHVLEMKLTQVAMLCAGFLIAWIPYAVVSVWSAFGRPDSIPIQLSVVPTLLAKSAAMYNP I IYQVIDYKFACCCQTGGLKATKKKSLEGFRLHTVTTVRKSSAVLEIHEEWE</p> <p><span style="color: red;">TR</span><span style="color: green;">TRPLEQKLI SEEDLAANDILDYKDDDDKV</span></p>
<b>Species:</b>	Human
<b>Serotype:</b>	AAV-2
<b>ACCN:</b>	NM_181744
<b>ORF Size:</b>	1062 bp
<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
<b>RefSeq:</b>	<a href="#">NM_181744.2</a>
<b>RefSeq Size:</b>	3496 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	221391
<b>UniProt ID:</b>	<a href="#">Q6U736</a>
<b>Cytogenetics:</b>	6p12.3
<b>MW:</b>	39.7 kDa