

## Product datasheet for **RR210479**

### Gpr34 (NM\_001024925) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr34 (NM_001024925) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr34
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR210479 representing NM_001024925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGACTACAGTTGACAGCTGGCTTTGCTCCTCCTCGAATGCACCTTATAACTAATGACAGTGACC  
AAGTCTCACAAAATTTCTCAGGAGTGCAATGTCAGCTGTCCAATGGATGAAAAATTAAGTGTCTAC  
TGTGTTAACAACTTTCTACTCTGTGATATTCATCGTGGGACTGGTTGAAACATCATTGCCCTTTATGTA  
TTTCTGGGCATCCACCGCAAAGAAATTCATTCAAATTTATCTACTTAATGTGGCTGTTGCAGACCTTC  
TACTCATCTTCTGCCTCCCTTTCCGCATAATGTATCACATCAACCAAAATAGGTGGACACTAGGTGTGAT  
TCTTTGCAAAGTTGTGGGACACTATTTTACATGAACATGTACATTAGTATTATTCTGCTGGGTTTATC  
AGTTTGGATCGATATATAAAAATCAACCGGTCTATACAACAAAGAAGGGCAATAACCACCAAGCAAAGTG  
TTTACGTTTGTGTAGTCTGGACAGTTGCTCTAGCTGGATTTTTAACAAATGATCATTGTTGACACTGAA  
GAAGGGAGGGCACAATCCACAATGTGTTCCATTACAGAGATAAGCATAATGCAAAGGGAGAAGCGATC  
TTAACTTTGCTCTTGTAGTAATGTTCTGGCTCATTTTCTACTGATAATCCTTTTCATATATTAAGATTG  
GCAAGAATCTACTGAGGATTTCTAAAAGGAGGTCAAATTTCTAACTCTGGCAAATATGCCACGACAGC  
CCGGAACCTCCTTATTGTAATCATTGTTTACTATATGCTTCGTCCTTATCATGCCTTTCGATTGATT  
TACATTTCTTACAGCTAAATGCATCTTCTGCTACTGGAAGGAAATCATTCAAAAACCAATGAGATCA  
TGTTGGTTCTCCTCTTTCAACAGCTGCTGGATCCTGTGATGATTTTCTAAATGTCCAGTAATATTTCG  
CAAATCATGTGTCAACTCTTTTTAGAAAGATTTCAAAGTGACACAAGCAGAAGTAAAGCACTTCAGAA  
TTAAAGCCAGGATATTCCTTGCATGATCTATCTGTGACGGTCAAATGCAGTACAGCACTAAGGGTAAC

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR210479 representing NM\_001024925  
 Red=Cloning site Green=Tags(s)

MTTVDSWLCSPPGMHFITNDSQVSNFSGVSNVTSCPMDEKLLSTVL TTFYSVIFIVGLVGNIIALYV  
 FLGIHRKRNSIQIYLLNAVADLLLIFCLPFRIMYHINQRWTLGVILCKVVGTLFYMNMYSIILLGFI  
 SLDRIYIKINRSIQRRAITTKQSVYVCCVWTVVALAGFLTMIIL TLKKGHNSTMCFHRYDKHNAKGEAI  
 FNFALVVMFWLIFLLIILSYIKIGKNLLRISKRRSKFPNSGKYATTARNSFIVLIIFTICFVPYHAFRFI  
 YISSQLNASSCYWKEIIHKTNEIMLVLSFNCLDPVMYFLMSSNIRKIMCQLLFRRFQSDTSRSESTSE  
 FKPGYSLHDL SVTVKMQYSTKGN

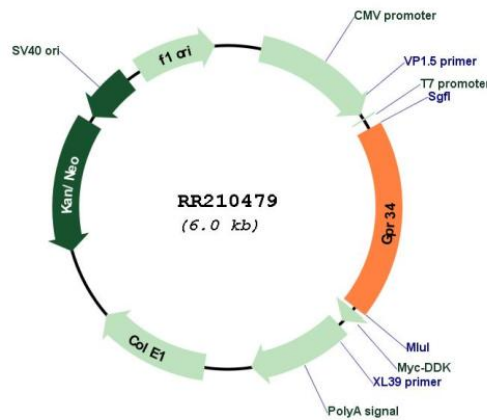
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001024925

<b>ORF Size:</b>	1119 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001024925.2</a> , <a href="#">NP_001020096.1</a>
<b>RefSeq Size:</b>	1299 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	554353
<b>Cytogenetics:</b>	Xq12
<b>MW:</b>	42.8 kDa