

Product datasheet for **RC234890A1V**

Human Metabotropic Glutamate Receptor 4 (GRM4) (NM_001256809) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Metabotropic Glutamate Receptor 4 (GRM4) (NM_001256809) AAV Particle
Tag:	Myc-DDK
Symbol:	GRM4
Synonyms:	GPRC1D; mGlu4; MGLUR4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC234890 representing NM_001256809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGCTTGGGAGCCTGGAGTTGCAGCTTCTGCGGCTGGCGCGCCCTCCTTGCTCCCTCTACGCC
 TCTGCATCGACCCACCCCTGTACCCACCTTCTCCACCAAGGAAACCTCACCTGCCGCCTCCCGCC
 CAGGTCCTTTGGATTTTGCCGGTGTGTGGGTGCGCACAAGAGGCCCTCCCTGCCAGGAGAGCAGGTG
 AGCCTGGCCGCGCACGAATCCGAGGGGGCGGCCCGCCAGCTGGGAAGCAGCCCTGAAATAGACCCCGCC
 GCCCCGCTGCCTCCTCCGGAATCTGCTCAGATACCCAGATCAGCTACGCCTCCACAGCGCCAGACCT
 GAGTGACAACAGCCGCTACGACTTCTTCTCCGCGTGGTGCCCTCGGACACGTACCAGGCCAGGCCATG
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 GCGGTGTGGAGGCCTTCATCCAGAAGTCCCGTGAAGACGGGGCGTGTGCATCGCCAGTCGGTGAAGAT
 ACCACGGGAGCCCAAGCAGGCGAGTTCGACAAGATCATCCGCCGCTCCTGGAGACTTCGAACGCCAGG
 GCAGTCATCATCTTTGCCAACGAGGATGACATCAGGCGTGTGCTGGAGGCAGCACGAAGGCCAACCAGA
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 AGGTCATTGGCTCCTGGACTGACCACCTGCACCTTAGAATAGAGCGGATGCACTGGCCGGGAGCGGGCA
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 TGGCAGGCATCTTCTGTGCTATGCCACCCTTCTCATGATCGCTGAGCCCGACCTTGGCACCTGCTC
 GCTGCGCCGAATCTTCTGGGACTAGGGATGAGCATCAGCTATGCAGCCCTGCTACCAAGACCAACCGC
 ATCTACCGCATCTTCGAGCAGGGCAAGCGCTCGGTGAGTCCCCACGCTTCATCAGCCCCGCTCACAGC
 TGGCCATCACCTTCAGCCTCATCTCGCTGCAGCTGCTGGGCATCTGTGTGTGTTTGTGGTGGACCCCTC
 CCACTCGGTGGTGGACTTCCAGGACCAGCGGACACTCGACCCCGCTTCGCCAGGGGTGTGCTCAAGTGT
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 CACTTGATCGTCTGGTGGCCTTCATCCCATCTTCTTTGGCACCTCGAGTCGGCCGACAAGCTGTAC
 ATCCAGACGACGCGTGACGGTCTCGGTGAGTCTGAGCGCTCGGTGTCCCTGGGAATGCTCTACATGC
 CCAAAGTCTACATCATCTCTTCCACCCGAGCAGAAGTGCCTCAAGCGCAAGCGCAGCCTCAAAGCCGT
 CGTTACGGCGGCCACCATGTCCAACAAGTTCACGCAGAAGGGCAACTTCCGGCCCAACGAGAGGCCAAG
 TCTGAGCTCTGCGAGAACCCTGAGGCCCCAGCGCTGCCACCAACAGACTTACGTCACTTACACCAACC
 ATGCAATC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC234890 representing NM_001256809 Red=Cloning site Green=Tags(s) MPAWEPGVAASCGWRAPPCSPRLRCIAPHPCTPPSSHQGNLTCRLPPRSFGFCRCVWVRTRGSPSLPGEQV SLAAHESEGAAQLGSSPEIDPRRPRCLLPESAQIPQISYASTAPDLSDNSRYDFFSRVVPSTYQAQAM VDIVRALKWNVYSTVASEGSYGESGVEAFIQKSREDGGVCIAQSVKIPREPKAGEFDKIIRRLLETSNAR AVIIFANEDDIRRVLEAARRANQTGHFFWMGSDSWGSKIAPVLHLEEVAEGAVTILPKRMSVRDRERIGQ DSAYEQEGKVQFVIDAVYAMGHALHAMHRDLCPRGVGLCPRMDPVDGTQLLKYIRNVNFSGIAGNPVTFN ENGDAPEGRYDIYQYQLRNDSEAEYKVGISWTDHLHLRIERMHWPGSGQQLPRSICSLPCQPGERKKTVKGM PCCWHCEPCTGYQYQVDRYTCKTCPYDMRPTENRTGCRPIPIIKLEWGSPPWAVLPLFLAVVGIAATLFVV ITFVRYNDTPIVKASGRELSYVLLAGIFLCYATTFLMIAEPDLGTCSLRRIFLGLGMSISYAALLTKTNR IYRIFEQGRSVSAPRFISPASQLAITFSLISLQLLGICVWFVVDPSHSVVDQDQRTLDPRFARGVLKC DISDLSLICLLGYSMLLMVTCTVYAIKTRGVPETFNEAKPIGFTMYTTCIVWLAIFIFFGTSQSADKLY IQTTTLTVSVLSASVSLGMLYMPKVYIILFHPEQNVPRKRSLKAVVTAATMSNKFTQKGNFRPNGEAK SELCENLEAPALATKQTYVYTNHAI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_001256809
ORF Size:	2388 bp
Buffer:	PBS with 0.001% Pluronic F10627
Stability:	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.
RefSeq:	<u>NM_001256809.2, NP_001243738.1</u>
RefSeq Size:	6817 bp
RefSeq ORF:	2391 bp
Locus ID:	2914
UniProt ID:	<u>Q14833</u>
Cytogenetics:	6p21.31
MW:	88.9 kDa