

Product datasheet for **RR206398**

Gfap (NM_017009) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gfap (NM_017009) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Gfap
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR206398 representing NM_017009
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCGGAGACGTATCACCTCTGCACGCCGCTCCTATGCCTCCTCCGAGACGATGGTCAGGGGCCATG
 GTCCTACCAGACACCTGGGTACCATTCCGCGCCTCTCCCTGTCTCGAATGACGCCCTCCACTCCCTGCCAG
 GGTAGACTTCTCCCTGGCCGGGGCGCTCAATGCCGGCTCAAAGAGACTCGGGCCAGCGAGCGTGGGAG
 ATGATGGAGCTCAATGACCGCTTTGCTAGCTACATCGAGAAGGTCGGCTTCCTGGAACAGCAAAAACAGG
 CGCTGGCAGCTGAGCTGAACCAGCTTCGAGCCAAGGAGCCACAACTGGCTGACGTTTACCAGGCAGA
 AATTCGGGAGCTGCGGCTGCGTCTGGACCAGTTACTACCAACAGTGCCCGGCTGGAGGTGGAGAGGGAC
 AATCTCACACAGGACCTCGGCACCCTGAGGCAGAAGCTCCAAGATGAAACCAACCTGAGGCTGGAGGCGG
 AGAACAACTGGCTGTGTACAGACAGGAGGCGGATGAAGCCACCTGGCTCGTGTGGATCTGGAGAGGAA
 GGTTGAGTCGCTGGAGGAGGAGATCCAGTTCCTGAGGAAGATCCATGAGGAGGAAGTTCGAGAACTCCAG
 GAGCAGCTGGCCAGCAGCAGGTCCACGTGGAGATGGATGTGGCCAAGCCAGACCTCACAGCGGCTCTGA
 GAGAGATTCGCACTCAGTACGAGGCAGTGGCCACCAGTAACATGCAAGAAACAGAAGAGTGGTATCGGTC
 CAAGTTTGCAGACCTCACAGACGTTGCTTCCCAGAACGCAGAGCTGCTCCGCCAGGCCAAGCAGGAGCT
 AATGACTATCGCCGCAACTGCAGGCCTTGACCTGCGACCTTGAGTCCTTGCAGGACGACGACGAGTCCT
 TGGAGAGGCAAAATGCGCGAACAGGAGGAGCGCCACGCGCGGAGTTCGGCGAGTTACCAGGAGGCACTCGC
 TCGGCTGGAGGAGGAGGGCCAAAGCCTCAAGGAGGAGATGGCCCGCCACCTGCAGGAGTACCAGGATCTA
 CTCAACGTTAAGCTAGCCCTGGACATCGAGATCGCCACCTACAGGAAATTGCTGGAGGGCGAAGAAAACC
 GCATCACCATTCTGTACAGACTTTCTCCAACCTCCAGATCCGAGAAACCAGCCTGGACACCAAATCTGT
 GTCAGAAGGCCACCTCAAGAGGAACATCGTGGTAAAGACGGTGGAGATGCGGGATGGCGAGGTCATTAAG
 GAGTCGAAGCAGGAGCACAAGGATGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206398 representing NM_017009
Red=Cloning site Green=Tags(s)

MERRRITSARRSYASSETMVRGHGPTRH LGTIPRLSLSRMTPPLPARVDFSLAGALNAGFKETRASERAE
 MMELNDRFASYIEKVRFL EQQNKALAAELNQLRAKEPTKLADVYQAE LRELRLRLDQLTTNSARLEVERD
 NLTQDLGTLRQKLQDET NLRLEAENNLAVYRQEAD EATLARVDL ERKVESLEEEIQFLRKIHEEEVRELQ
 EQLAQQQVHVEMDVAKPDLTAALREIRTQYEAVATSNMQETEEWYRSKFADLTDVASRNAELLRQAKHEA
 NDYRRQLQALTC DLESLRGTNESLERQMR EQEERHARESASYQEALARLEEEGQSLKEEMARHLQEYQDL
 LNVKLALDIEIATYRKLLEGEENRITIPVQTF SNLQIRE TSLDTKSVSEGH LKRNIVVKTVEMRDGEVIK
 ESKQEHKDVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

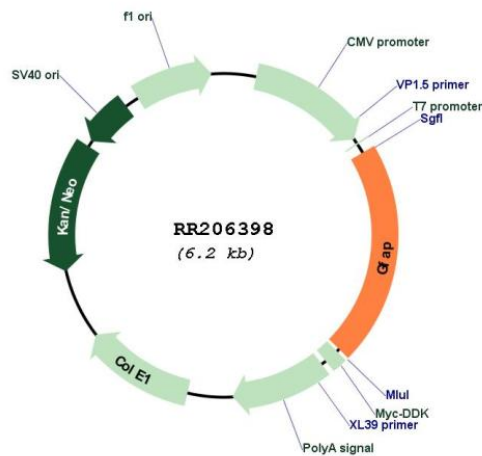
SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_017009
ORF Size:	1290 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_017009.2 , NP_058705.2
RefSeq Size:	2714 bp
RefSeq ORF:	1293 bp
Locus ID:	24387
UniProt ID:	P47819
Cytogenetics:	10q32.1
MW:	50 kDa
Gene Summary:	intermediate filament protein specific for astrocytes [RGD, Feb 2006]