

Product datasheet for **MR226731**

Gfap (NM_010277) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfap (NM_010277) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gfap
Synonyms:	A1836096
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR226731 representing NM_010277
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCGGAGACGCATCACCTCTGCGCGCGCTCCTATGCCTCCGAGACGGTGGTCAGGGGCCCTCGGTC
 CTAGTCGACAACCTGGGTACCATGCCACGCTTCTCCTTGTCTCGAATGACTCCTCCACTCCCTGCCAGGGT
 GGACTTCTCCCTGGCCGGGGCGCTCAATGCTGGCTTCAAGGAGACACGGGCGAGCGAGCGTGCAGAGATG
 ATGGAGCTCAATGACCGCTTTGCTAGCTACATCGAGAAGTCCGCTTCTGGAACAGCAAAAACAGGCGC
 TGGCAGCTGAACTGAACAGCTTCGAGCCAAGGAGCCACCAACTGGCTGATGTCTACCAGGCGGAGCT
 TCGGGAGCTGCGGCTGCGGCTGGACCAGCTTACGGCCAACAGTGCCCGGCTGGAGGTGGAGAGGGACAAC
 TTTGCACAGGACCTCGGCACCCTGAGGCAGAAGCTCCAAGATGAAACCAACTGAGGCTGGAGGCAGAGA
 ACAACCTGGCTGCGTATAGACAGGAGGCAGATGAAGCCACCCTGGCTCGTGTGGATTGGAGAGAAAAGT
 TGATCGCTGGAGGAGGATCCAGTTCTTAAGGAAGATCTATGAGGAGGAAGTTCGAGAACTCCGGGAG
 CAGCTGGCCCAACAGCAGGTCCACGTGGAGATGGATGTGGCCAAGCCAGACCTCACAGCGGCCCTGAGAG
 AGATTCGCACTCAATACGAGGCAGTGGCCACCAGTAACATGCAAGAGACAGAGGAGTGGTATCGGCTAA
 GTTTGCAGACCTCACAGACGCTGCGTCCCGCAACGCAGAGCTGCTCCGCCAAGCCAAGCAGAAAGCTAAC
 GACTATCGCCGCAACTGCAGGCCTTGACTGCGATCTGGAGTCCCTGCGCGGCACGAACGAGTCCCTAG
 AGCGGCAAATGCGCGAACAGGAAGAGCGCCATGCGCGGGAGTCCGCCAGTTACCAGGAGGCACTTGTCTG
 GCTGGAGGAGGAGGGCCAAAGCCTCAAGGAGGAGATGGCCCGCCACTGCAGGAGTACCAGGATCTACTC
 AACGTTAAGCTAGCCCTGGACATCGAGATCGCCACCTACAGGAAATTGCTGGAGGGCGAAGAAAACCGCA
 TCACCATTCTGTACAGACTTTCTCAACCTCCAGATCCGAGAAACCAGCCTGGACACCAATCCGTGTC
 AGAAGGCCACCTCAAGAGGAACATCGTGGTAAAGACTGTGGAGATGCGGGATGGTGGAGTCATTAAGGAC
 TCGAAGCAGGAGCACAAGGACGTGGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226731 representing NM_010277
 Red=Cloning site Green=Tags(s)

MERRRITSARRSYASETVVRGLGPSRQLGTMPRFSLSRMTPPLPARVDFSLAGALNAGFKETRASERAEM
 MELNDRFASYIEKVRFLQEQNKALAAELNQLRAKEPTKLADVYQAELELRLRLDQLTANSARLEVERDN
 FAQDLGTLRQKLQDETNLRLAENNLAAAYRQEADATLARVDLERKVESLEEEIQFLRKIYEEVRELRE
 QLAQQQVHVEMDVAKPDLTAALREIRTQYEA VATSNMQTEEWYRSKFADLTDAASRNAELLRQAKHEAN
 DYRRQLQALTCDESRLGTNESLERQMREQEERHARESASYQEALARLEEEGQSLKEEMARHLQEYQDLL
 NVKLALDIEIATYRKLLEGEENRITIPVQTF SNLQIRETSLDKSVSEGLKRNIVVKTVMRDGEVIKD
 SKQEHKDVVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9075_c08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_010277

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:

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_010277.3](#), [NP_034407.2](#)

RefSeq Size: 2733 bp

RefSeq ORF: 1293 bp

Locus ID: 14580

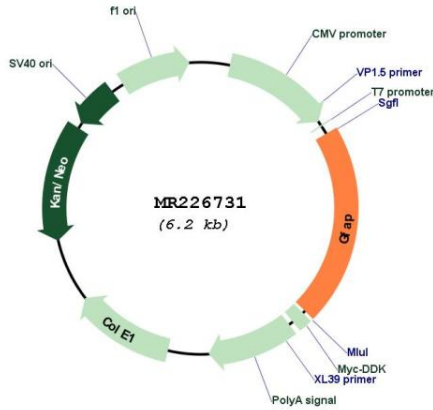
UniProt ID: [P03995](#)

Cytogenetics: 11 66.48 cM

MW: 49.9 kDa

Gene Summary: GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226731