

Product datasheet for **MR226733**

Gfap (NM_001131020) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfap (NM_001131020) 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:

>MR226733 representing NM_001131020
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGGAGACGCATCACCTCTGCGCGCCGCTCCTATGCCTCCGAGACGGTGGTCAGGGGCCCTCGGTC
CTAGTCGACAACGGGTACCATGCCACGCTTCTCCTTGTCTCGAATGACTCCTCCACTCCCTGCCAGGGT
GGACTTCTCCCTGGCCGGGGCGCTCAATGCTGGCTTCAAGGAGACACGGGCGAGCGAGCGTGCAGAGATG
ATGGAGCTCAATGACCGCTTTGCTAGCTACATCGAGAAGGTCCGCTTCTGGAACAGCAAAAACAGGCGC
TGGCAGCTGAACTGAACAGCTTCGAGCCAAGGAGCCACCAAACCTGGCTGATGTCTACCAGGCGGAGCT
TCGGGAGCTGCGGCTGCGGCTGGACCAGCTTACGGCCAACAGTGCCCGGCTGGAGGTGGAGAGGGACAAC
TTTGCACAGGACCTCGGCACCCTGAGGCAGAAGCTCCAAGATGAAACCAACCTGAGGCTGGAGGCAGAGA
ACAACCTGGCTGCGTATAGACAGGAGGCAGATGAAGCCACCCTGGCTCGTGTGGATTTGGAGAGAAAGGT
TGATCGCTGGAGGAGGATCCAGTTCTTAAGGAAGATCTATGAGGAGGAAGTTCGAGAACTCCGGGAG
CAGCTGGCCCAACAGCAGGTCCACGTGGAGATGGATGTGGCCAAGCCAGACCTCACAGCGGCCCTGAGAG
AGATTCGCACTCAATACGAGGCAGTGGCCACCAGTAACATGCAAGAGACAGAGGAGTGGTATCGGTCTAA
GTTTGCAGACCTCACAGACGCTGCGTCCCGCAACGCAGAGCTGCTCCGCCAAGCCAAGCAGAAAGCTAAC
GACTATCGCCGCAACTGCAGGCCTTGACCTGCGATCTGGAGTCCCTGCGCGGCACGAACGAGTCCCTAG
AGCGGCAAATGCGCGAACAGGAAGAGCGCCATGCGCGGGAGTCCGCCAGTTACCAGGAGGCACTTGCTCG
GCTGGAGGAGGAGGGCCAAAGCCTCAAGGAGGAGATGGCCCGCCACCTGCAGGAGTACCAGGATCTACTC
AACGTTAAGCTAGCCCTGGACATCGAGATCGCCACCTACAGGAAATTGCTGGAGGGCGAAGAAAACCGCA
TCACCATTCTGTACAGACTTTTCCAACCTCCAGATCCGAGGGGGCAAAGCACCAAAGAGGGGAAGG
CCAAAAGTCAACAAGACCTCTCAAAGGCTCACAATAACAAGTTGTCCCAATACAGGCTCACCAGATTGAA
AATGGAGCCCTGCCAGCTCTCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226733 representing NM_001131020
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:

https://cdn.origene.com/chromatograms/ja1285_h05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001131020

ORF Size: 1284 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_001131020.1](#), [NP_001124492.1](#)
RefSeq Size: 2600 bp

RefSeq ORF: 1287 bp

Locus ID: 14580

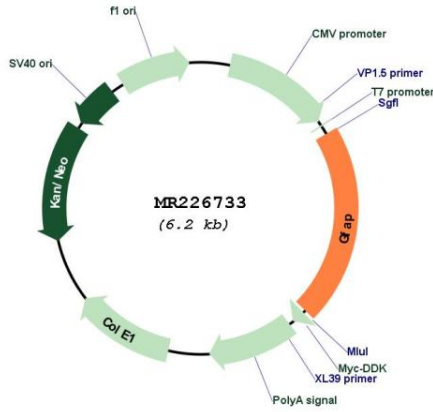
UniProt ID: [P03995](#)

Cytogenetics: 11 66.48 cM

MW: 49.8 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 MR226733