

Product datasheet for **MC208540**

Gfap (NM_010277) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gfap (NM_010277) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gfap
Synonyms:	A1836096
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208540 representing NM_010277 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCGGAGACGCATCACCTCTGCGCGCCGCTCCTATGCCTCCGAGACGGTGGTCAGGGGCCTCGGTC
CTAGTCGACAACGGGTACCATGCCACGCTTCTCCTTGCTCGAATGACTCCTCCACTCCCTGCCAGGGT
GGACTTCTCCCTGGCCGGGGCGCTCAATGCTGGCTTCAAGGAGACACGGGCGAGCGAGCGTGCAGAGATG
ATGGAGCTCAATGACCGCTTTGCTAGCTACATCGAGAAGGTCCGCTTCCCTGGAACAGCAAAACAAGGCGC
TGGCAGCTGAACCTGAACAGCTTCGAGCCAAGGAGCCACCAAACTGGCTGATGTCTACAGGCGGAGCT
TCGGGAGCTGCGGCTGCGGCTGGACCAGCTTACGGCCAACAGTGCCTGGCTGGAGGTGGAGAGGGACAAC
TTTGCACAGGACCTCGGCACCCTGAGGCAGAAGCTCCAAGATGAAACCAACCTGAGGCTGGAGGCAGAGA
ACAACCTGGCTGCGTATAGACAGGAGGCAGATGAAGCCACCCTGGCTCGTGTGGATTTGGAGAGAAAAGGT
TGAATCGCTGGAGGAGGAGATCCAGTTCTTAAGGAAGATCTATGAGGAGGAAGTTCGAGAAGTCCGGGAG
CAGCTGGCCCAACAGCAGGTCCACGTGGAGATGGATGTGGCCAAGCCAGACCTCACAGCGCCCTGAGAG
AGATTCCCACTCAATACGAGGCAGTGGCCACCAGTAACATGCAAGAGACAGAGGAGTGGTATCGGCTAA
GTTTGCAGACCTCACAGACGCTGCGTCCCAGCAAGCAGAGCTGCTCCGCCAAGCCAAGCAGGAAGCTAAC
GACTATCGCCGCAACTGCAGGCCTTGACCTGCGATCTGGAGTCCCTGCGCGGCAGAACAGTCCCTAG
AGCGGCAAATGCGCAACAGGAAGAGCGCCATGCGCGGGAGTCCGCCAGTTACCAGGAGGCACTTGTCTCG
GCTGGAGGAGGAGGGCCAAAGCCTCAAGGAGGAGATGGCCCGCCACCTGCAGGAGTACCAGGATCTACTC
AACGTTAAGCTAGCCCTGGACATCGAGATCGCCACCTACAGGAAATGCTGGAGGGCGAAGAAAACCGCA
TCACCATTCCTGTACAGACTTTCTCAACCTCCAGATCCGAGAAACCAGCCTGGACACCAATCCGTGTC
AGAAGGCCACCTCAAGAGGAACATCGTGGTAAAGACTGTGGAGATGCGGGATGGTGGAGTCAATTAAGGAC
TCGAAGCAGGAGACAAGGACGTGGTATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010277
Insert Size:	1293 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_010277.3 , NP_034407.2
RefSeq Size:	2733 bp
RefSeq ORF:	1293 bp
Locus ID:	14580
UniProt ID:	P03995
Cytogenetics:	11 66.48 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1, which results in a protein (isoform 2) with a shorter and distinct C-terminus when compared to isoform 1.</p>