

Product datasheet for **MG208831**

Fga (NM_010196) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fga (NM_010196) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fga
Synonyms:	Fi; Fib
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208831 representing NM_010196
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTCCCTGAGGGTCACCTGCCTCATCTTGAGCGTGGCCAGCACAGTCTGGACTACAGATACCGAAG
 ATAAAGGTGAATTCCTATCAGAAGGAGGAGGAGTACGTGGCCCAAGAGTTGTGGAGAGACATCAGAGTCA
 ATGCAAGGACTCAGACTGGCCCTTCTGCTCTGATGATGACTGGAACCACAAATGCCCTTCAGGCTGCAGG
 ATGAAAGGGTTGATTGACGAAGCCAACCAGGATTTTACAAACAGAATCAACAAGCTCAAAAACTCACTAT
 TTGACTTTCAAAGGAACAACAAGGATTCTAACTCACTGACCAGGAATATCATGGAGTATTTGAGAGGGGA
 CTTGCGGAATGCCAACAACTTTGATAACACTTATGGGCAAGTGTGAGAAGACCTGAGGCGCAGAATTGAG
 ATCCTGAGGCGAAAAGTCATAGAGAAAGCGCAACAGATTCAAGCTCTGCAGAGCAATGTCCGGGCTCAGT
 TGATAGACATGAAGCGCCTGGAGGTGGATATTGATATCAAGATCCGCTCTTGCAAAGGGTCTGCAGCAG
 GGCTGTA AACCGTGAGATAAATCTACAGGACTATGAAGGTACCAAAAACAGCTTCAACAGGTCATCGCT
 AAAGAATTGCTTCTACAAAAGACAGGCAGTACTTGCCAGCACTAAAAATGTCTCCAGTTCCCGACTTGG
 TTCCCGGAAGTTTTAAGAGCCAGCTTCAGGAGGCCCTCCAGAGTGGAAGGCATTAACAGAAATGCGGCA
 GATGAGAATGGAGCTGGAGAGACCTGGGAAGGATGGGGTTTCGCGAGGAGATTACCAGGAGACTCGCGG
 GGAGATTTAGAGGGGACTTTGCAACACGTGGACCAGGGTCAAAGGCAGAAAACCCACGAACCTGGAC
 CTGGTGGATCTGGGTATTGGCGTCTGGGAACCTCCGGTCTGGAAGTGTGGAATCGGAACCTGGGAC
 CACGGGTCTGATGGCACTGGAGACTGGGTACCGGAAGCCCTAGACCTGGCTCAGACTTGGGAACCTT
 AGGCCTGCCAACCTAACTGGGTGTGTTTTAGAGTTTGGAGACAGTAGCAGCCAGCCACAAGAAAAG
 AGTATCACACAGGTAAGCGGTCACTTCTAAAGGAGATAAAGAGCTCCTGATTGGAAGGAGAAAAGTCA
 CTCTTCTGGCACAAAGCACACACATCGTTCATGCTCTAAAACCATACCAAGACTGTACAGGTCCTGAT
 GGTGCGCGAGAAGTGGTCAAAGAAGTGATCACCTCGGATGATGGCTCAGACTGTGGCGATGCCACCGAGT
 TAGACATATCCCACAGTTTTAGCGGCAGTCTCGACGAACTCTCTGAAAGGCATCTGACCTTTCTGGGT
 TTTTGACAACCACTTTGGTTAATCTCACCTAACTTCAAAGAATTTGGCAGTAAGACCCATTCTGATTCC
 GACATCTCACAAACATTGAGGACCCAGCTCCCATGTACCTGAGTTTTCTTCCAGTAGTAAAACCTCAA
 CTGTCAAAAACAAGTAACCAAGACCTATAAATGGCAGACGAGGCGGAAGCGAAGCTCACCGGGAAGG
 AGAAACTGCAACACTAAGAGGGCCGTGCCAGAGCTCGCCCAACGAGAGGTATCGACACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208831 representing NM_010196
 Red=Cloning site Green=Tags(s)

MLSLRVTCLILSVASTVWTTDTEKGEFLSEGGVVRGPRVVERHQSQCKDSDWPFCSDDWNHKCPSGCR
 MKGLIDEANQDFNTRINKLKNLFDQFNKNSLNRNIMEYLRGDFANANNFDNTYQVSEDLRRRIE
 ILRRKVIKAQQIQALQSNVRAQLIDMKRLEVDIDIKIRSCKGSCSRVNRINLQDYEGHQQLQQVIA
 KELLPTKDRQYLPALKMSPVVDLVPGSFSQLQEAPPEWKALTEMRQMRMELERPGKDGSRGSDSPGDSR
 GDSRGDFATRGPGSKAENPTNPGPGSGYWRPNSGSGSDGNRNPPTGSDGTGDWGTGSPRPGSDSGNF
 RPANPNWGVSEFGDSSSPATRKEYHTGKAVTSKGDKELLIGKEKVTSSGTSTTHRCSKTIKTKVTGPD
 GRREVVKEVITSDGSDCGDATELDISHFSGLDEL SERHPDL SGFFDNHFGLISPNFKEFGSKTHSDS
 DILTNIEDPSSHVPEFSSSKTSTVKKQVTKYKMADEAGSEAHREGETRNTKRGRARARPTRGIDT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_010196
ORF Size:	1671 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_010196.4 , NP_034326.1
RefSeq Size:	3373 bp
RefSeq ORF:	1674 bp
Locus ID:	14161
UniProt ID:	E9PV24
Cytogenetics:	3 36.96 cM
Gene Summary:	This gene encodes a subunit of the coagulation factor fibrinogen, which is a component of the blood clot. The encoded protein is proteolytically processed by thrombin during the conversion of fibrinogen to fibrin. Mice lacking the encoded protein display bleeding in the peritoneal cavity, skin and soft tissues around joints immediately after birth, and are predisposed to spontaneous fatal abdominal hemorrhage as they grow. Pregnant mice lacking the encoded protein succumb to uterine bleeding during gestation. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Nov 2015]