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Product datasheet for MR222073

Fga (NM_001111048) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fga (NM_001111048) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fga
Synonyms:	Fi; Fib
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR222073 representing NM_001111048
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGTCCCTGAGGGTCACCTGCCTCATCTTGAGCGTGGCCAGCACAGTCTGGACTACAGATACCGAAG
ATAAAGGTGAATTCCTATCAGAAGGAGGAGGAGTACGTGGCCCAAGAGTTGTGGAGAGACATCAGAGTCA
ATGCAAGGACTCAGACTGGCCCTTCTGCTCTGATGATGACTGGAACCACAAATGCCCTTCAGGCTGCAGG
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GGAGCAGATTATTCCCTCAGGGCCGTTCGGATGAAAATCAGACCGCTGGTGGGACAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR222073 representing NM_001111048
Red=Cloning site Green=Tags(s)

MLSLRVTCLILSVASTVWTTDTEDKGEFLSEGGGVRGPRVVERHQSQCKDSDWPFCSDDDWNHKCPSGCR
MKGLIDEANQDFTNRINKLKNSLFDFQRNNKDSNSLTRNIMEYLRGDFANANNFDNTYGQVSEDLRRRIE
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KELLPTKDRQYLPALKMSPVPDLVPGSFKSQLQEAPPEWKALTEMRQMRMELERPGKDGGSRGDSPGDSR
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RPANPNWGVFSEFGDSSSPATRKEYHTGKAVTSKGDKELLIGKEKVTSSGTSTTHRSCSKTITKTVTGPD
GRREVVKEVITSDDGSDCGDATELDISHSFSGSLDELSERHPDLSGFFDNHFGLISPNFKEFGSKTHSDS
DILTNIEDPSSHVPEFSSSSKTSTVKKQVTKTYKMADEAGSEAHREGETRNTKRGRARARPTRDCDDVLQ
TQTSGAQNGIFSIKPPGSSKVFSVYCDQETSLGGWLLIQQRMDGSLNFNRTWQDYKRGFGSLNDKGEGEF
WLGNDYLHLLTLRGSVLRVELEDWAGKEAYAEYHFRVGSEAEGYALQVSSYRGTAGDALVQGSVEEGTEY
TSHSNMQFSTFDRDADQWEENCAEVYGGGWWYNSCQAANLNGIYYPGGTYDPRNNSPYEIENGVVWVPFR
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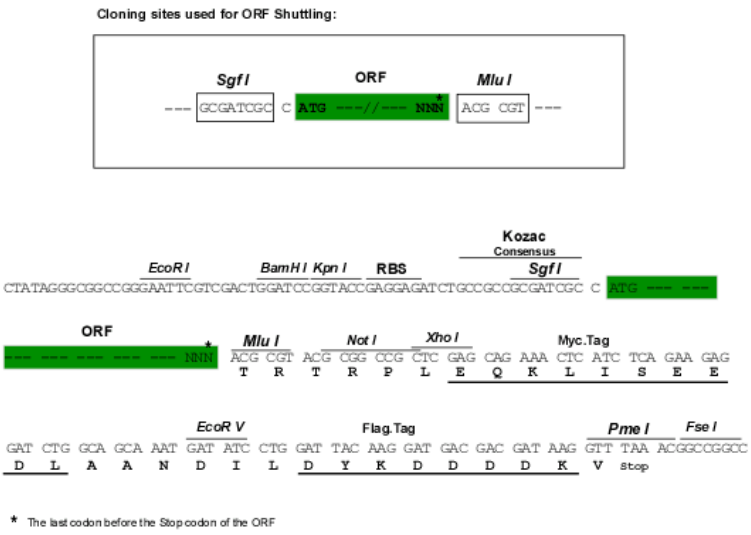
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001111048
ORF Size:	2367 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_001111048.2, NP_001104518.1

RefSeq Size: 2652 bp

RefSeq ORF: 2370 bp

Locus ID: 14161

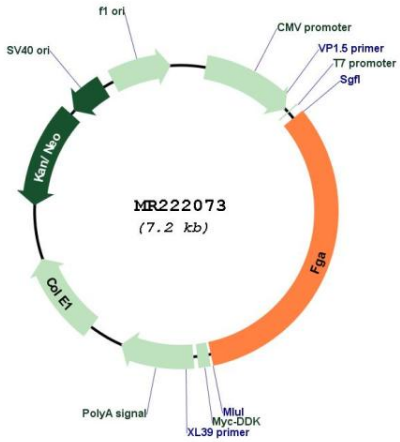
UniProt ID: E9PV24

Cytogenetics: 3 36.96 cM

MW: 87.9 kDa

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]

Product images:



Circular map for MR222073