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Product datasheet for RR200062

Fga (NM_001008724) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fga (NM_001008724) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fga
Synonyms:	Ac1873; Fba5e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>NM_001008724 ORF sequence, RR200062 may differ due to SNPs.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTTTCCCTGAGGGTCGCCTGCCTCATCCTGAGCTTGGCCAGCACAGTCTGGACTGCAGACACCGGC
ACCACAAGTGAATTCATAGAAGCAGGAGGAGATATTCGTGGCCCAAGAATTGTGGAGAGACAGCCTAGT
CAATGCAAGGAGACAGATTGGCCCTTCTGCTCTGATGAAGACTGGAACCACAAATGCCCTTCAGGCTGC
AGGATGAAAGGGTTGATTGATGAAGCCAATCAGGACTTTACAAACAGAATCAACAAGCTCAAAAACTCA
CTATTTGATTTTCAAAAGAACAACAAGGATTCTAATTCACTGACCAGGAATATCATGGAGTATTTGAGA
GGGGACTTCGCTAACGCCAACAACTTTGATAACACTTTCGGGCAAGTGTCAGAGGACCTGAGGCGCAGA
ATTGAGATCCTAAAGCGCAAAGTCATAGAGAAAGCGCAACAGATTCAGGTTCTGCAGAAAGACGTCCGG
GATCAGCTGATAGACATGAAGCGCCTGGAGGTGGACATTGATATCAAGATCCGCTCTTGCAAAGGATCC
TGCAGCAGGTCTGTAAGCCGTGAGATAAATCTAAAGGACTACGAAGGTCAGCAAAAGCAACTTGAACAG
GTCATTGCTAAAGAGTTGCTTCCGGCAAAAGACAGGCAGTACTTGCCAGCAATAAAAATGTCTCCAGTT
CCCGACTTGGTTCCCGGAAGTTTTAAGAGCCAGCTTCAGGAGGGGCCCCCAGAGTGGAAGGCATTAACA
GAAATGAGGCAGATGAGAATGGAGCTGGAGAGGCCCGGGAAGGATGGGGCTTCGCGAGGAGATTTACCA
GGAGATTCGCGAGGAGACTCTGCAACACGTGGACCAGGGTCGAAGATAGAAAACCCCATGACCCCTGGA
CATGGTGGGTCTGGGTATTGGCGTCCTGGGAGCTCCGGATCTGGAAGTGATGGAAATTGGGGCTCTGGG
ACAACGGGGTCTGATGACACTGGAACCTGGGGTGCAGGAAGCTCCAGACCTAGCTCAGGCTCTGGGAAC
CTTAAGCCTAGCAACCCTGACTGGGGTGAGTTTTCAGAGTTTGGAGGGAGTAGCAGCCCAGCGACAAGA
AAAGAGTATCACACAGGAAAACTGGTCACTTCTAAAGGAGATAAAGAGCTCCTCATTGGAAACGAGAAA
GTTACCTCTACTGGCACAAGCACCACACGTCGTTCATGCTCTAAAACCATTACTAAGACTGTTTTGGGT
AATGATGGTCACCGGGAAGTGGTCAAAGAAGTGGTCACTTCGGATGATGGTTCTGACTGCGGTGATGGC
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GGTTCCTTTTATGACAGCCGCTTTGGTTCACTCACAAGTAACTTCAAAGAATTTGGCAGTAAGACCTCT
GATTCTGACATCTTCACAGACATCGAGAACCCTAGCTCCCATGTACCTGAGTTTTCTTCCAGTAGTAAA
ACCTCAACTGTCAGGAAACAAGTAACCAAGAGCTATAAAATGGCAGATGAGGCAGCAAGTGAAGCTCAC
CAAGAAGGAGACACTCGAACCACCAAGAGGGGCCGAGCTCGCACAATGAGAGACTGCGATGATGTCCTT
CAAACACATCCTTCAGGTGCCCAAAATGGCATTTTCAGTATCAAGCTACCTGGATCCAGTAAGATATTT
TCTGTTTATTGCGATCAAGAGACCAGTTTGGGAGGATGGCTTTTGATCCAGCAAAGAATGGATGGATCA
CTGAATTTTAACCGGACCTGGCAAGACTACAAGAGAGGTTTCGGCAGCCTGAATGACAAGGGGGAAGGA
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ACAGAATACACTTCACACAGCAACATGCAGTTCAGTACCTTTGACAGAGATGCAGACCAATGGGAAGAG
AACTGTGCCGAGGTCTACGGGGGAGGCTGGTGGTACAATAGCTGTCAAGCCGCCAATCTCAATGGCATT
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GTTCCCTTCAGAGGAGCGGATTATTCTCTGAGGGCCGTTCGGATGAAAATCAGACCGCTGGTGGGACAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Protein Sequence:

>Peptide sequence encoded by RR200062
Blue=ORF Red=Cloning site Green=Tag(s)

MLSLRVACLILSLASTVWTADTGTTSEFIEAGGDIRGPRIVERQPSQCKETDWPFCSDEDWNHKCPSGC
RMKGLIDEANQDFTNRINKLKNSLFDFQKNNKDSNSLTRNIMEYLRGDFANANNFDNTFGQVSEDLRRR
IEILKRKVIEKAQQIQVLQKDVRDQLIDMKRLEVDIDIKIRSCKGSCSRSVSREINLKDYEGQQKQLEQ
VIAKELLPAKDRQYLPAIKMSPVPDLVPGSFKSQLQEGPPEWKALTEMRQMRMELERPGKDGASRGDLP
GDSRGDSATRGPGSKIENPMTPGHGGSGYWRPGSSGSGSDGNWGSGTTGSDDTGTWGAGSSRPSSGSGN
LKPSNPDWGEFSEFGGSSSPATRKEYHTGKLVTSKGDKELLIGNEKVTSTGTSTTRRSCSKTITKTVLG
NDGHREVVKEVVTSDDGSDCGDGMDLGLTHSFSGRLDELSRMHPELGSFYDSRFGSLTSNFKEFGSKTS
DSDIFTDIENPSSHVPEFSSSSKTSTVRKQVTKSYKMADEAASEAHQEGDTRTTKRGRARTMRDCDDVL
QTHPSGAQNGIFSIKLPGSSKIFSVYCDQETSLGGWLLIQQRMDGSLNFNRTWQDYKRGFGSLNDKGEG
EFWLGNDYLHLLTLRGSVLRVELEDWAGKEAYAEYHFRVGSEAEGYALQVSSYQGTAGDALMEGSVEEG
TEYTSHSNMQFSTFDRDADQWEENCAEVYGGGWWYNSCQAANLNGIYYPGGTYDPRNNSPYEIENGVVW
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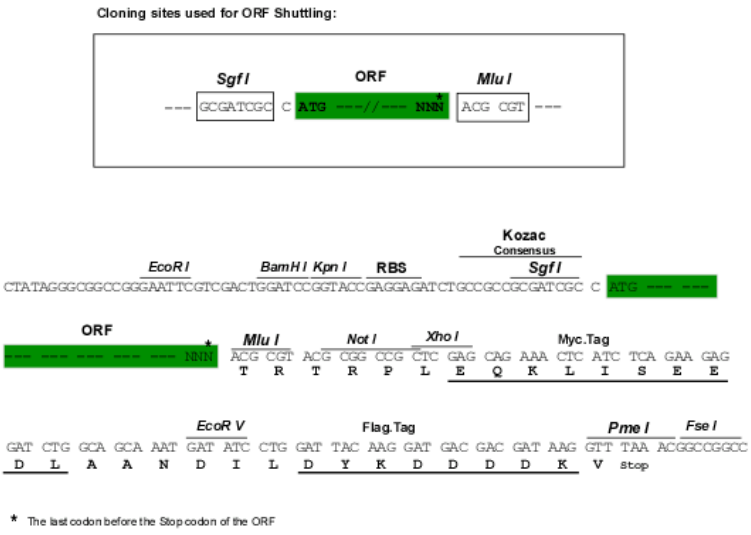
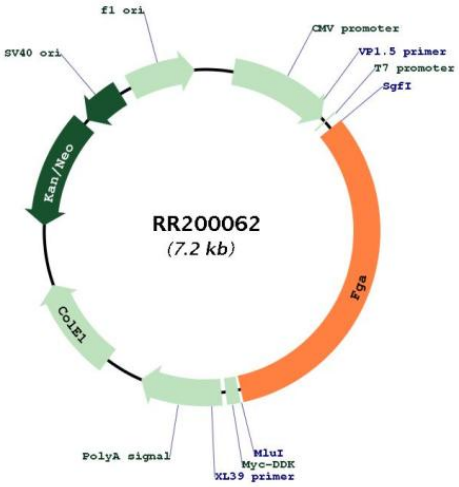
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001008724
ORF Size:	2346 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_001008724.2
RefSeq Size:	2607 bp
RefSeq ORF:	2349 bp
Locus ID:	361969

Cytogenetics:	2q34
MW:	86.7 kDa
Gene Summary:	plays a role in blood coagulation; may be involved in liver regeneration [RGD, Feb 2006]