

Product datasheet for **RR204162**

Fam53a (NM_001107228) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam53a (NM_001107228) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam53a
Synonyms:	RGD1563315
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204162 representing NM_001107228 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTCACTCTCATCACGGAGAAGCTGCAGAACCAGAGTTGGATGACCTTACCCGAAGGGCCTGTGAGG
CTGTCCCGTATTCTGCTGAGAACTGGACAAAAGTGGCCATTTGTTCCCTTTGGAGATTGGCGTGGATAA
AAGTCCCTGGAAGGCCTCACATGGAGGATGGCCCTTTCAAGCCGGGCAGCCTCAGGCCCTTCTCAGTG
GGCCACATGGTGTGTCTCATACCGAAGGTCTCAAGTGGCAGCTGGAATCCCAGGGCCCATGGCTGTGG
GCCGCTTCTGGACCTCCGTGAGAGCACAGGGCCACCCGAGCTCCACCAACCAAGCGACACTGCCGGTC
CCTGTCAGAGCCAGAGGAGCTGGCTCGATGCCGTTCCCATGGCGCCCTGGTAGCTCCAAGTGTGGACT
CCCATCTCTAAGAGGAGATGCAACAGTGGCGGGAGTGCCACGCTGCAGTGTGCAGTGGTCTCGGCAACC
CTGCACTGCAGGGCAGTCTAGCCCCGGCCTACCCAGGAAGCCTGTGTGCGCCACCGGCCCTACCTCACC
GATGACGCCCCGGCCAGCTTCAGCCAGCAGTGGCTTTGTGGATGGCAGTGAGGGCAGTACGAGCTCAGGT
CCACCCCTGGCTTTCTACAGGACCCTGCCATTTTCCTCCAGGCGCCGACTGTCCCTCTACAAGAGCACC
TTGTAGATGCAGGTGCCTGCCTTCCGCCAGCAGCACCCCACTTCCACACCTGAGCTAGGCCGCGCA
CCATGGCCTGCTCCGGTCCGCTCACAGCCTTGTGTGTTGGATGGGAGGAGGGTTCGGCGCAAGCGGAGA
CGGGAGGAGGATGCCAGGTGGACGCGCCCATCCTTGGACTTTCTGAAAATGACTCGGACTTTAAAAAAT
CAAAGAGCCTTTGTTCCCTGGACTATGAAGATGATGAGGATGACACCCAGGCGAAGACGGTTGTGTCTC
TCCGTGTAACCTCGAGGGCCTCGTGGGCATCATCACTCCAGCTCTAGCCCAAGGATTCCAGGCCCTGGC
CCTGCCAGCCCCAGTGTCTGGGCTTCAGGGGAGCCAGAGACTAGCACCGGTGAGGGTGGGAGCAGTGGGG
AACCCAGTGACTGGGACAGTGCAGGAGAGGAGGGCATTTCCTCCGCTGGACCACGGCGACCTGGACTTGA
GCAGATTGAGAACAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204162 representing NM_001107228
 Red=Cloning site Green=Tags(s)

MVTLITEKLQNQSLDDL TRRACEAVPYSAEKLDKSGHLFPLEIGVDKSPWKASHGGWPFRRSRAASGPFVS
 GPHGVSHTEGLKWQLESPGPMVGRFLDLRESTGPPAAPPTKRHCRSLSEPEELARCRSPWRPGSSKVWT
 PISKRRNCSSGGSATLQCCSGLGNPALQGS LAPGLPRKPVSTGPTSPMTPRPASASSGFVDGSEGSTSSG
 PPWLSTGPCPFSSRRRLSLSQEHLVDAGACLPASSTPTSTPELGRHHGLLRCSQPCVLDGRRVRRKRR
 REEDARWTRPSLDFLKMTRTLKNSKSLCSLDYEDDEDDTQAKTVVSSPCNSQGLVGIITPSSSPRI PRPG
 PASPSVWASGEPETSTGEGGSSGEPDWDSDAGEEGIFPLDHGDLLEQIENN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

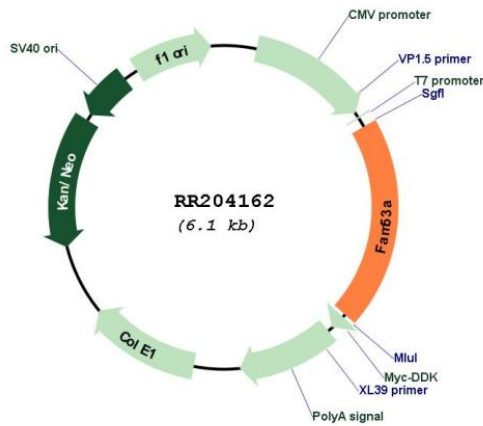
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107228

ORF Size:	1206 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_001107228.2 , NP_001100698.1
RefSeq Size:	2145 bp
RefSeq ORF:	1209 bp
Locus ID:	305461
Cytogenetics:	14q21
MW:	43.1 kDa