

Product datasheet for **MG206305**

Fam53a (NM_178390) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam53a (NM_178390) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fam53a
Synonyms: 2410018C17Rik; 5430419M09Rik; Dntnp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206305 representing NM_178390
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCACTCTCATCACAGAGAAGCTGCAGAACCAGAGTTTGGATGACCTCACCCGAGGGCCTGTGAGG
CTGGCCCGTATTCTGCTGAGAAGCTGAACAAAAGTGGCCATTTGTTCCCTTTGGAGATCAGCGTGGATAA
AAGTCCCTGGAAGGCCTTACGTGGAGGATGGCCCACTGGAAGCCAGGCAGCCTCAGGCCCTTCTCAGTG
GGCCACATGGTGTCTCACACGAAGGTCTCAAGTGGCAGCTGGAATCCCAGGGCCCATGGATGTGG
GCCATTTCTGGACCTCCATGATAGCACAGGGCCACCTGCAGCACCACCAACCAAGCGACTGCCGGTC
CCTGTCAGAACCAGAGGAGCTAGCTCGATGCCGCTCCCGTGGCGCCCTGGTAGCTCCAAGGTGTGGACT
CCCATCTCCAAGAGGAGGTGCAACAGTGGTGGGAGTGCCACACTTCAGTGCTGCAGCGGCGTGGGCAACC
CTACTCTGCAGGGCACTTAGTCCCTGGCCTACCCAGGAGGCCTGTGTCACCCGCTGGCCCTACCTCACC
CCTGACGCCCCGGCCAGCTTCAGCCAGCAGTGGCTTTGTGGATGGCAGTGAAGGAGTACAAGCTCAGGC
CCACCCTGGCTTTCTACAGGACCCTGCCATTTTCTTCCAGGCGCCGACTGTCCCTCTACAAGAGCACC
TTGTAGATACAGGCGCTTGCCCTGCCTTCAGCCAGCAGCACCCCACTTCCACACTGAGCTAGGCCGGCA
CCATGGCCTGCTCCGGTGGCGCTCACAGCCTTGTGTATTGGATGGGAGGAGGGTCCGGCGCAAGCGAAGA
CGGGAGGAGGATGCCAGGTGGACACGCCCGTCTTGGACTTTCTGAAAATGACACGGACTTTAAAAAAT
CCAAGAGCCTTTGCTCCCTGGACTATGAAGACGATGAGGATGACACCCAGGAGAAGACTCTTGTGTCTC
CCCGTGTAACTCACAGGGCCTCGTGGGCATCATCACACCAGGCTTAGCCCAAGGATTCCAGGCCCTGGC
CCTGACAGCCCCAGTGTCTGGGCGTCAGGGGAGCCAGAGGCCAGCCAGGCGAGGGTGGGAGCAGTGGG
ACCCAGTGACTGGGACAGTGCAGGAGAGGAGGGCATTTCCCACTGGACCACGGCGACCTGGACTTGG
GCAGATTGAGAACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206305 representing NM_178390
 Red=Cloning site Green=Tags(s)

MVTLITEKLQNQSLDDL TRRACEAGPYSAEKLKNSGHLFPLEISVDKSPWKALRGGWPTGSQAASGPFVS
 GPHGVSHTEGLKWQLESPGPMDVGHFLDLHDSTGPPAAPPTKRHCRSLSEPEELARCRSPWRPGSSKVWT
 PISKRRCSGGSATLQCCSGVGNPTLQGTLPGLPRRPVSPAGPTSPLTPRPASASSGFVDGSEGSTSSG
 PPWLSTGPCPFSSRRRLSLSQEHLVDTGACLPASASSTPTSTPELGRHHGLLRCSRQPCVLDGRRVRRKRR
 REEDARWTRPSLDFLKMTRTLKNSKSLCSLDYEDDEDDTQEKTLVSSPCNSQGLVGIITPSSSPRIPRPG
 PDSPSVWASGEPEASPGEGGSSGDPDWDWSAGEEGIFPLDHGDLLEQIENN

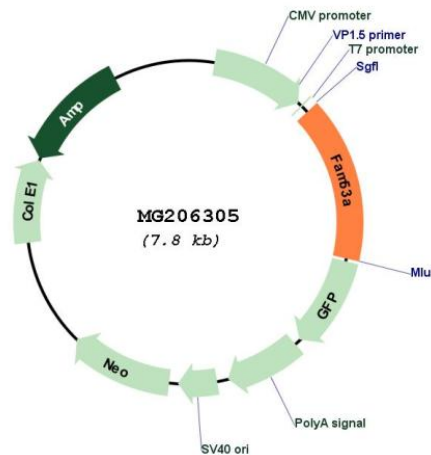
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_178390

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_178390.2 , NP_848477.1
RefSeq Size:	1748 bp
RefSeq ORF:	1209 bp
Locus ID:	74504
UniProt ID:	E9PV82
Cytogenetics:	5 B2
Gene Summary:	May play an important role in neural development; the dorsomedial roof of the third ventricle.[UniProtKB/Swiss-Prot Function]