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Product datasheet for MG207356

Fuca2 (NM_025799) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fuca2 (NM_025799) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fuca2
Synonyms:	0610025O11Rik; 5530401P20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>MG207356 representing NM_025799
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCCTGGGGTTCCTGATGCTTCTGCCGCTGCTGCTGCTGCCGCTCCTGAGGCCTTGGGGGGTCACGA
GAGCCCTTAGCTATGACCCCACTTGGGAATCTCTGGACAGACGCCCGCTGCCAGCCTGGTTCGACCAGGC
CAAGTTCGGCATCTTTATCCACTGGGGAGTGTTCTCCGTGCCCAGCTTTGGTAGTGAATGGTTCTGGTGG
TATTGGCAAAAGGAGAAGAAACCCCAGTTTGTGGACTTTATGAACAATAATTATGCTCCTGGTTTTAAGT
ATGAAGATTTTGTAGTGCTATTTACAGCCAAGTATTTTAATGCAAACCAGTGGGCAGATATTCTCCAGGC
CTCTGGTGCCAAATATGTGGTCTTCACTTCTAAACATCACGAAGGCTTTACAATGTGGGGCTCAGACCGT
TCTTGGAACTGGAATGCAGTCGATGAGGGGCCAAAGAGGGACATTGTCAAGGAGCTTGAGGTGGCTGTGA
GGAACAGGACTGGCTTGCACTTTGGTCTGTACTATTCTCTTTTTGAATGGTTCCATCCGCTCTTTCTGGA
GGATCAGTCCAGCTCATTCCAAAAGCAGCGATTTCCCGTTTCTAAGACATTGCCTGAGCTCTATGAGTTG
GTGAACAGATACCAGCCTGAAGTCCTGTGGTCAGACGGAGATGGGGGCGCGCCAGATCACTACTGGAACA
GCACTGGCTTCTTAGCCTGGCTGTATAATGAAAGCCCAGTTCGGAAAACAGTAGTCACCAATGATCGCTG
GGGAGTCGGGTCTATCTGCAAACATGGTGGCTACTATACTTGCAGTGACCGTTACAATCCTGGCTATCTC
TTGCCACACAAATGGGAAAACTGCATGACAATAGATAAGTTCTCCTGGGGCTACAGGCGGGAAGCTGAAA
TCAGTGATTATCTTACAATTGAAGAGTTGGTGAAGAAACTTGTGGAAACAGTCGCATGTGGTGGAAATCT
TTTGATGAATATTGGTCCCACGGGAGACGGCACCATTCCTGTCATTTTTGAGGAGCGATTAAGGCAAATG
GGAACCTGGCTGAAGGTCAACGGGGAAGCTATTTATGAAACACACACTTGGAGGTCTCAGAATGACACTG
TCACTCCGGATGTGTGGTACACATCTAAACCCGAGAAGAAATTAGTCTATGCTATTTTTCTTAAATGGCC
CATCTCTGGAAAGCTGTTTCTTGGACAACCCATAGGTAGTCTGGGGGAAACAGAGGTAGAACTGCTGGGC
CATTGGCAGCCACTGACTTGGACATCTTCACAGCCCAGTGGCATCACCGTGGAGTTACCTCTGCTCAGCG
TACATCAGATGCCCTGTAAATGGGGATGGACTCTTGTGCTAAGTAATGTGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207356 representing NM_025799
Red=Cloning site Green=Tags(s)

MRLGFLMLLPLLLLPLLRPWGVTRALSYDPTWESLDRRPLPAWFDQAKFGIFIHWGVFSVPSFGSEWFWW
YWQKEKKPQFVDFMNNNYAPGFKYEDFVVLFTAKYFNANQWADILQASGAKYVVFTSKHHEGFTMWGSDR
SWNWNAVDEGPKRDIVKELEVAVRNRTGLHFGLYYSLFEWFHPLFLEDQSSSFQKQRFPVSKTLPELYEL
VNRYQPEVLWSDGDGGAPDHYWNSTGFLAWLYNESPVRKTVVTNDRWGVGSICKHGGYYTCSDRYNPGYL
LPHKWENCMTIDKFSWGYRREAEISDYLTIEELVKKLVETVACGGNLLMNIGPTGDGTIPVIFEERLRQM
GTWLKVNGEAIYETHTWRSQNDTVTPDVWYTSKPEKKLVYAIFLKWPISGKLFLGQPIGSLGETEVELLG
HWQPLTWTSSQPSGITVELPLLSVHQMPCKWGWTLVLSNVI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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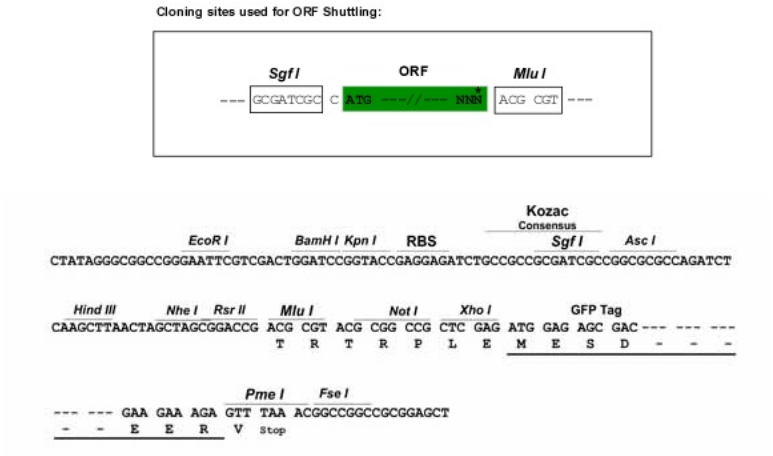
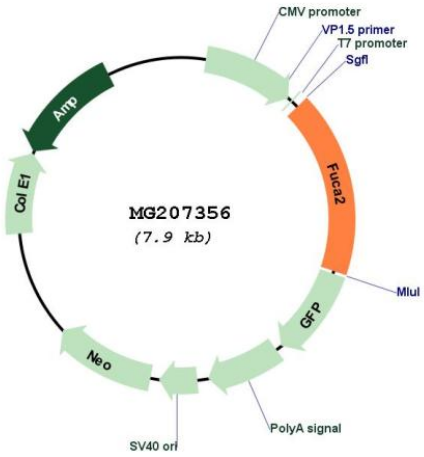
Cloning Scheme:



Plasmid Map:



ACCN: NM_025799

ORF Size: 1383 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.

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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_025799.5
RefSeq Size:	3956 bp
RefSeq ORF:	1386 bp
Locus ID:	66848
UniProt ID:	Q99KR8
Cytogenetics:	10 A2
Gene Summary:	Alpha-L-fucosidase is responsible for hydrolyzing the alpha-1,6-linked fucose joined to the reducing-end N-acetylglucosamine of the carbohydrate moieties of glycoproteins. [UniProtKB/Swiss-Prot Function]

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