

Product datasheet for **MC201446**

Fuca2 (NM_025799) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fuca2 (NM_025799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fuca2
Synonyms:	0610025O11Rik; 5530401P20Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC018181 sequence for NM_025799
 GCCGGAAGGCCAGCGCTAGGCAGCTTCTACGGCTGACAGAGAAGGTTCCCGGCTTCCCTGGTGACTGGCG
 GTTCCCCCGAGGATCCCAGGCTGGCGCGCATGCGCCTGGGGTTCCTGATGCTTCTGCCGCTGCTGCTGC
 TGCCGCTCCTGAGGCCTTGGGGAGTCACGAGAGCCCTTAGCTATGACCCACGTGGGAATCTCTGGACAG
 ACGCCCCTGCCAGCCTGGTTCGACCAGGCAAGTTCGGCATCTTATCCACTGGGGAGTGTCTCCGTG
 CCCAGCTTTGGTAGTGAATGGTTCCTGGTGGTATTGGCAAAAGGAGAAGAAACCCAGTTTGTGGACTTTA
 TGAACAATAATTATGCTCCTGGTTTTAAGTATGAAGATTTGTAGTGTATTTACAGCCAAGTATTTTAA
 TGCAAACCAAGTGGGAGATATTCTCCAGGCCTCTGGTGCCAAATATGTGGTCTTCACTTCTAAACATCAC
 GAAGGCTTTACAATGTGGGGCTCAGACCTTCTTGAAGTGAATGCAGTCGATGAGGGGCCAAAGAGGG
 ACATTGTCAAGGAACTTGAGGTGGCTGTGAGGAACAGGACTGGCTTGCACTTTGGTCTGTACTATTCTCT
 TTTTGAATGGTTCATCCGCTCTTCTGGAGGATCAGTCCAGCTCATTCCAAAAGCAGCGGTTTCCCGTT
 TCTAAGACATTGCCTGAGCTCTATGAGTTGGTGAACAGATACCAGCCTGAAGTCTGTGGTCAGACGGAG
 ATGGGGGCGCCAGATCACTACTGGAACAGCACTGGCTTCTTAGCCTGGCTGTATAATGAAAGCCAGT
 TCGGAAAACAGTAGTCACCAATGATCGCTGGGGAGTCGGGTCTATCTGCAAACATGGTGGCTACTATACT
 TGCAGTGACCGTTACAATCCTGGCTATCTTGGCACACAAATGGGAAAAGTGCATGACAATAGATAAGT
 TCTCCTGGGGCTACAGGCGGGAAGCTGAAATCAGTGATTATCTTACAATTGAAGAGTTGGTGAAGAACT
 TGTGAAAACAGTCGCATGTGGTGGAAATCTTTGATGAATATTGGTCCCACGGGAGACGGCACCATTCCT
 GTCATTTTTGAGGAGCGATTAAGGCAAATGGGAACCTGGCTGAAGGTCAACGGGGAGCTATTTATGAAA
 CACACACTTGGAGGTCTCAGAATGACACTGTCCTCCGGATGTGTGGTACACATCTAAACCCGAGAAGAA
 ATTAGTCTATGCTATTTTTCTTAAATGGCCATCTCTGGAAAGCTGTTTCTTGGACAACCCATAGGTAGT
 CTGGGGGAAACAGAGGTAGAAGTCTGGGCCATTGGCAGCCACTGACTTGGACATCTTACAGCCCAGTG
 GCATCACCGTGGAGTTACCTCTGCTCAGCGTACATCAGATGCCCTGTAATGGGGATGGACTCTTGTGCT
 AAGTAAATGTGATTTAACCTGCAGCAGAAAGATGTAAGCTGCAGGTACCTTAACACAGGAAATGGCAGG
 GTTTTTGTGTTTTGTTTTAAAGTACCACTAAAGAAATCAGGATAAAAATGATACAAAAACTGAAATCA
 TTAGGTAATACAGTTTCCCTTCTGTTCTTCTAAATTCTTTCCTAAACCACTCGTGTACCATTGACT
 ATGCTTCCCTCCAAAGTCTTCTTCTGCTGAATCCATTTACATGTCACTCACAGGTGCAAAATTTTTTTT
 TTTTCAGAGAAGCTAGAACTCCTAACCTTCTACTGAAACCTTAACACTCCACGTGGCTGTATTAGAAACA
 GAGCTCTTGAATGGTCAAGATTAACCATCATAGGGCTAGCCCTAATACCAGAGGACTTGGTGTCTTAT
 AAGGGAGAGACAATAAGATGCAAAACCCCGGGGAAAGCCATGCAAAGAAGACAGTTATCCGCAAGCCA
 AGGAGAAGAGTGCAGGAGAAACCGAATCTCTAACACCTCATCTTGGACTTTTATCCTCTAGGACTGT
 GAGGAAATATAACTTCCGGTTGTTGAAGCCATCCAGGATGTCTTTGGTCTTCCCATACTCCCATCATA
 AATCCTCATATATAATGCAGACTGTATGTAATGAATTTGACTAGATAGATGTGTCCAATGAATCCATAA
 TTATCTTTTCATTTTAAAGACTTCCCTCATATTCAATAAGCTCCTATTTGCTGTAGAAATTTTGAATAC
 AAGTCACTGCCTAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_025799
- Insert Size:** 1386 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC018181](#), [AAH18181](#)

RefSeq Size: 2282 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]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.