

Product datasheet for **RN208621**

Fuca2 (NM_001004218) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fuca2 (NM_001004218) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fuca2
Synonyms:	MGC93735
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208621 representing NM_001004218
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGCCTGGGGCTCCTGATGTTTCTGCCGCTACTGCTGTGGCAACCCGGTACCGGGCCGTGACAGCCC
 TTAGCTATGACCCACGTGGGAGTCTCTGGACAGACGCCCGCTGCCAGCCTGTTTCGACCAAGCAAGT
 CGGCATCTTCATCCACTGGGAGTGTTCCTGCGCCAGCTTTGGTAGTGAATGTTCTGGTGGTATTGG
 CAAAAGGAAAGGAGACCCAAGTTTGTGGACTTTATGGACAATAATTATCCCCCTGGCTTTAAGTATGAAG
 ATTTTGGAGTGTATTTACAGCCAAGTATTTAACGCAAACCAATGGGCAGATCTTCTCCAGGCCTCTGG
 TGCCAAATATGTGGTCTTAACCTCCAAACATCATGAAGGATTCAGTCTGTGGGGTTCGGCCATTCTTGG
 AATTGGAACGCGTTCGATGAGGGCCGAAGAGGGACATCGTCAAGGAGCTTGAGGTGGCTGTGAGGAACA
 GGACTGACTTGCCTTTGGTCTGTACTATTCTCTTTTGAATGGTCCACCCACTCTTCTGGAGGATCA
 ATCCAGCGGTTCCAGAAGCAGCGGTTCCCGTTGCTAAGACGTTGCCTGAGCTCTATGAGTTGGTGACC
 AAGTACCAGCCGGAAGTTCTGTGGTTCAGACGGAGATGGGGGAGGCCAGATCACTACTGGAATAGTACTG
 ACTTCTTGGCCTGGCTCTATAACGAAAGCCAGTTCGGGACACAGTAGTCACCAATGATCGCTGGGGAGC
 TGGCTCTATCTGCAAACACGGTGGTACTATACTTGCAGTGACCGTTATAATCCCGGACATCTTTGCCA
 CACAAGTGGGAGAACTGCATGACAATAGACAAGTTCTCTGGGGCTACAGACGGGAGGCTGAAATCGGTG
 ACTATCTTACCATTGAAGAATTGGTGAAGCAACTGTGGAAACGGTCTCATGTGGAGGAAATCTCCTGAT
 GAATATGGCCCCACACTAGATGGCATCATTCTGTAAATTTTGGAGGCGCTTAAGGCAATGGGAACC
 TGGCTGAAAGTCAACGGGAAGCTATTTATGAAACACATACTTGGAGGTCTCAGAACGACACCGTCACTC
 CTGACGTGTGGTACACATCTAAACCTGAGAAGAAATTAGTCTATGCTATTTTTCTGAAATGGCCCATCTC
 TGGAAAGCTGTTTCTTGGACAACCCATAGGTAGTCTGGGGGAAACAGAGGTAGAACTACTGGGCCACGGA
 CGGCCACTGACTTGGACATCTTCAAAGCCAAGCGCATTGTGGTGGAGTTGCCCGGCTAAGCGTTCATC
 AGATGCCCTGTAATGGGGATGGACTCTGGCACTAACCAATGTCACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001004218

Insert Size: 1380 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: [NM_001004218.1](#), [NP_001004218.1](#)
RefSeq Size: 1630 bp
RefSeq ORF: 1380 bp
Locus ID: 292485
UniProt ID: [Q6AYS4](#)
Cytogenetics: 1p13
Gene Summary: cytoplasm-specific alpha-L fucosidase; important for carbohydrate and glycosaminoglycan metabolism [RGD, Feb 2006]