

Product datasheet for **RN207723**

Fuca1 (NM_012562) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fuca1 (NM_012562) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fuca1
Synonyms:	Fuca
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207723 representing NM_012562
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGAGCTGAAAAGTGAGTGGTGGGCGGTGGGCTTCGGGCTTCTGCTGCTACTGGCAGCTTCGGCCC
 AGGCAGGGGGCTTGGCTCCGCACCACTACACTCCGGACTGGCCGAGCTTGGACTCGCACCCTGCCGAG
 ATGGTTCGACGAGGCCAAGTTCGGGTTGTTCTGTCATTGGGGGTGTAAGTTCGGTCCCGCTGGGGCAGC
 GAGTGGTCTGGTGGCACTGGCAGGGCGAGCAGTCGTCGGCGTACGTGCGCTTCATGAAAGAAACTACC
 CGCCCGGCTTCAGCTACGCCGACTTTCACCCGAGTTTACAGCGCGCTTCTTCCATCCGGAGGAGTGGGC
 AGACCTCTCCAGGCTGCCGGGGCCAAGTATGTCGTCCTGACCGCAAAGCATCACGAAGGCTTCACAAAC
 TGGCCAAGCGCCGTGTCTTGAAGTGAAGTGAAGGACGTGGGGCCCCACCGTGATTTGGTGGTGGTGGT
 TGGGAGCAGCTGTGCGGAAGAGGAACATACGATACGGCCTTACCCTCGCTCTTTGAGTGGTCCATCC
 ACTCTACCTACTAGATAAGAAAAATGGCCTCAAGACTCAGCATTCGTCAGTACAAAACAATGCCAGAG
 CTGTACGACCTCGTGAATAGGTACAAGCCTGACCTAATCTGGTCTGATGGGGAGTGGGAGTGTCCCGATT
 CGTACTGGAAGTCCACGGAGTTCCTTGCTGGCTCTACAATGAAAGCCCGGTCAAGGATCAGGTGGTAGT
 GAATGACCGGTGGGGTCAGAAGTCTCCTGTCGTACGGAGGGTACTACAAGTGTGAAGCAAAATACAGA
 CCACACAGCCTGCCAGACCACAAGTGGGAGATGTGACCAGCGTGGACAAGGCGTCTGGGGCTATCGGA
 GAGACATGAGCATGTCTACCATCGTCGACGAAAATGAAATCATTGAGGAATTGGTTCAGACAATAAGTCT
 GGGAGGCAACTATCTTCTCAACATCGGACCGAATAAAGACGGCGTGATCGTCCCATCTTCCAGGAAAGG
 CTCCTTGCTGTTGGCAAGTGGCTGCAGATCAACGGGGAGGCCATCTATGCCTCAAACCATGGAGGGTGC
 AGTCTGAAAAGAACAAGACAGTTGTGGTACACCCTAAAGACTCGGCTGTTTATGCCACTTTTCTGCA
 CTGGCCAGAAGATGGAGTGGTAAACCTCCAATCTCCCAAATGACATCGGCCACAAAGATAACGATGCTA
 GGAATGGAAGGAGAACTGCACTGGACCCAGGACCCACTGGAAGGCGTCTCATCACTCTGCCCCAGTTGC
 CACCAGGCACTTCCAGTGGAGTCTGCCTGGACTCTAAAGCTGACAAAAGTGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012562
- Insert Size:** 1389 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_012562.2](#), [NP_036694.2](#)
RefSeq Size: 1515 bp
RefSeq ORF: 1389 bp
Locus ID: 24375
UniProt ID: [P17164](#)
Cytogenetics: 5q36
Gene Summary: catalyzes the hydrolysis of an alpha-L-fucoside to an L-fucose [RGD, Feb 2006]