

Product datasheet for **SC320995**

FUCA2 (NM_032020) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FUCA2 (NM_032020) Human Untagged Clone
Tag:	Tag Free
Symbol:	FUCA2
Synonyms:	dJ20N2.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032020.3
 GGCATACTCAGCGGCAGAGACGGAAGAACAGCGCTCCCGAGGCCCGGGAGCCTGCAGAG
 AGGACAGCCGGCCTGCGCCGGGACATGCGGCCCCAGGAGCTCCCCAGGCTCGCGTTCCCG
 TTGCTGCTGTTGCTGTTGCTGCTGCTGCCGCCCGCCGCTGCCCTGCCACAGCGCCACG
 CGTTTCGACCCACCTGGGAGTCCCTGGACGCCGCCAGCTGCCCGCGTGGTTTGACCAG
 GCCAAGTTCGGCATCTTCATCCACTGGGAGTGTTCCTGCGCCAGCTTCGGTAGCGAG
 TGGTTCTGGTGGTATTGGCAAAGGAAAAGATACCGAAGTATGTGGAATTTATGAAAGAT
 AATTACCCTCCTAGTTTCAAATATGAAGATTTTGGACCACTATTTACAGCAAATTTTTT
 AATGCCAACCACTGGGCAGATATTTTTAGGCCTCTGGTCCAAATACATTGTCTTAACT
 TCCAAACATCATGAAGGCTTTACCTTGTGGGGTCAAGTATTCGTGGAAGTGAATGCC
 ATAGATGAGGGGCCAAGAGGGACATTGTCAAGGAACTTGAGGTAGCCATTAGGAACAGA
 ACTGACCTGCGTTTTGGACTGTACTATTCCTTTTTGAATGGTTTCATCCGCTCTTCCTT
 GAGGATGAATCCAGTTCATTCCATAAGCGGCAATTTCCAGTTTCTAAGACATTGCCAGAG
 CTCTATGAGTTAGTGAACAATATCAGCCTGAGGTTCTGTGGTCCGATGGTGACGGAGGA
 GCACCGGATCAATACTGGAACAGCACAGGCTTCTTGGCCTGGTTATATAATGAAAGCCCA
 GTTCGGGGCACAGTAGTACCAATGATCGTTGGGGAGCTGGTAGCATCTGTAAGCATGGT
 GGCTTCTATACCTGCAGTGATCGTTATAACCCAGGACATCTTTGCCACATAAATGGGAA
 AACTGCATGACAATAGACAAACTGTCTGGGGCTATAGGAGGGAAGTGGAACTCTCTGAC
 TATCTTACAATTGAAGAAATGGTGAAGCAACTGTAGAGACAGTTTCATGTGGAGGAAAT
 CTTTTGATGAATATTGGGCCCACTAGATGGCACCATTTCTGTAGTTTTTGAGGAGCGA
 CTGAGGCAAGTGGGGTCTGGCTAAAAGTCAATGGAGAAGCTATTTATGAAACCTATACC
 TGGCGATCCCAGAATGACACTGTCAACCCAGATGTGGTACACATCCAAGCCTAAAGAA
 AAATTAGTCTATGCCATTTTTCTTAAATGGCCACATCAGGACAGCTGTTCTTGGCCAT
 CCCAAAGCTATTCTGGGGCAACAGAGGTGAAACTACTGGGCCATGGACAGCCACTTAAC
 TGGATTTCTTTGGAGCAAATGGCATTATGGTAGAACTGCCACAGCTAACCATTCATCAG
 ATGCCGTGAAATGGGGCTGGGCTCTAGCCCTAACTAATGTGATCTAAAGTGCAGCAGAG
 TGGCTGATGCTGCAAGTTATGTCTAAGGCTAGGAACTATCAGGTGTCTATAATTGTAGCA
 CATGGAGAAAGCAAATGTAAGTGGATAAGAAAATTATTTGGCAGTTCAGCCCTTTCC
 CTTTTCCCACTAAATTTTTCTTAAATTACCCATGTAACCATTTTAACTCTCCAGTGCA
 CTTTGCCATTAAGTCTCTTACATTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_032020

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_032020.3 , NP_114409.2
RefSeq Size:	2098 bp
RefSeq ORF:	1404 bp
Locus ID:	2519
UniProt ID:	Q9BTY2
Cytogenetics:	6q24.2
Domains:	Alpha_L_fucos
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Other glycan degradation
Gene Summary:	This gene encodes a plasma alpha-L-fucosidase, which represents 10-20% of the total cellular fucosidase activity. The protein is a member of the glycosyl hydrolase 29 family, and catalyzes the hydrolysis of the alpha-1,6-linked fucose joined to the reducing-end N-acetylglucosamine of the carbohydrate moieties of glycoproteins. This enzyme is essential for Helicobacter pylori adhesion to human gastric cancer cells. [provided by RefSeq, Aug 2010]