

Recombinant Human FUCA2

Cat. No. FUCA2-28957TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FUCA2 with N-terminal proprietary tag. Predicted MW 77.44 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	467 amino acids
Description	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.
Molecular Weight	77.440kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MRPQELPRLAFPLLLLLLLLLPPPPCPAHSATRFDPTWES LDARQLPAWFDQAKFGI
 FIHWGVFSVPSFGSEWFWWYQK EKIPKYVEFMKDNYPSPFKYEDFGPLFTAKFF
 NANQWADI FQASGAKYIVLTSKHHEGFTLWGSEYSWNWNAIDEGPKRD IVKELEV
 AIRNRTDLRFLGYSLFEWFHPLFLEDESSSFH KRQFPVSKTLPELYELVNNYQPEV
 LWSDGDGGAPDQYWNS TGFLAWLYNESPVRGTVVTNDRWGAGSICKHGGFYTC
 SDR YNPGHLLPHKWENCMTIDKLSWGYRREAGISDYLTIIEELV KQLVETVSCGGNL
 LMNIGPTLDGTISVVFEERLRQVGSWL KVNGEAIYETYTWRSQNDTVTPDVWYTSK
 PKEKLVYAIFL KWPTSGQLFLGHPKAILGATEVKLLGHGQPLNWISLEQNG IMVELP
 QLTIHQMPCKWGWALALTNVI

Sequence Similarities

Belongs to the glycosyl hydrolase 29 family.

GENE INFORMATION

Gene Name

FUCA2 fucosidase, alpha-L- 2, plasma [Homo sapiens]

Official Symbol

FUCA2

Synonyms

FUCA2; fucosidase, alpha-L- 2, plasma; plasma alpha-L-fucosidase; dJ20N2.5;
 MGC1314;

Gene ID

2519

mRNA Refseq

NM_032020

Protein Refseq

NP_114409

MIM

136820

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Uniprot ID	Q9BTY2
Chromosome Location	6q24
Pathway	Other glycan degradation, organism-specific biosystem; Other glycan degradation, conserved biosystem;
Function	alpha-L-fucosidase activity; catalytic activity; cation binding; hydrolase activity, acting on glycosyl bonds;

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