

# Recombinant Full Length Human FUCA2 Protein

**Cat. No.** FUCA2-173HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human FUCA2 with N-terminal proprietary tag. Predicted MW 77.44 kDa.                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 467 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 77.440kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MRPQELPRLAFPLLLLLLLLLPPPPCPAHSATRFDPTWES LDARQLPAWFDQAKFGI<br>FIHWGVFSVPSFGSEWFWYWQK EKIPKYVEFMKDNYPSPSKYEDFGPLFTAKFF<br>NANQWADI FQASGAKYIVLTSKHHEGFTLWGSEYSWNWNAIDEGPKRD IVKELEV<br>AIRNRTDLRFGLYYSLEFWFHPLFLEDESSSFH KRQFPVSKTLPELYELVNNYQPEV<br>LWSDGDGGAPDQYWNS TGFLAWLYNESPVVRGTVVTNDRWGAGSICKHGGFYTC                                                                                                                       |

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SDR YNPGHLLPHKWENCMTIDKLSWGYRREAGISDYLTIEELV KQLVETVSCGGNL  
LMNIGPTLDGTISVVFEERLRQVGSWL KVNGEAIYETYTWRSQNDTVTPDVWYTSK  
PKEKLVYAI FL KWPTSGQLFLGHPKAILGATEVKLLGHGQPLNWISLEQNG IMVELP  
QLTIHQMPCKWGWALALTNVI

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

## 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

**UniProt ID** Q9BTY2

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