Recombinant Human FUCA2 Protein, His-tagged

Cat. No. FUCA2-1532H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUCA2 Protein (Glu81-Ile467) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu81-Ile467
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.2 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

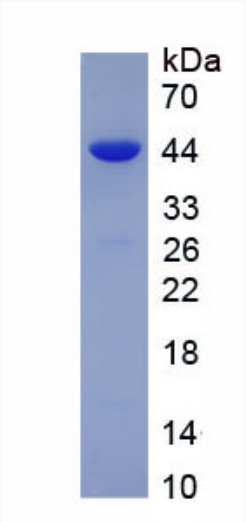
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FUCA2 fucosidase, alpha-L- 2, plasma [Homo sapiens (human)]
Official Symbol	FUCA2
Synonyms	FUCA2; fucosidase, alpha-L- 2, plasma; plasma alpha-L-fucosidase; dJ20N2.5; MGC1314; alpha-L-fucosidase 2; alpha-L-fucoside fucohydrolase 2; RP1-20N2.5;
Gene ID	2519
mRNA Refseq	NM_032020
Protein Refseq	NP_114409
MIM	136820
UniProt ID	Q9BTY2

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