

**FUCA2, 29-467aa Human, His tag, E.coli**

**Cat.NO.: TP02161**

3th Edition

**Synonyms:** Plasma alpha-L-fucosidase, Fucosidase, alpha-L- 2, plasma, dJ20N2.5, RP1-20N2.5

**Description:** FUCA2 is a plasma alpha-L-fucosidase, which represents 10-20% of the total cellular fucosidase activity. This 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. FUCA2 is essential for Helicobacter pylori adhesion to human gastric cancer cells. Recombinant human FUCA2 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:** Liquid, In 20mM phosphate (pH8.0) containing 10% glycerol

**Molecular Weight:** 53.3 kDa (462aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHSATRFDPTWESLDARQLPAWFDQAKFGIFIHVGVFSVPSFGSEWFWWY  
WQKEKIPKYVEFMKDNYPSPFKYEDFGPLFTAKFFNANQWADIFQASGAKYIVLTSKHHEGFTLWGSEYSWNWNA  
IDEGPKRDIVKELEVAIRNRTDLRFGLYSLFEWFHPLFLEDESSSFHKRQFPVSKTLPPELVNYYQPEVLWSDG  
DGGAPDQYWNSTGFLAWLYNESPVVRGTVVNTDRWGAGSICKHGGFYTCSDRYNPGHLLPHKWENCMTIDKLSW  
GYRREAGISDYLTIEELVKQLVETVSCGGNLLMNIGPTLDGTISVVFEERLRQMGSWLKVNGEAIYETHTWRSQNDT  
VTPDVWYTSKPKEKLVYAIFLKWPTSGQLFLGHPKAILGATEV KLLGHGQPLNWISELQNGIMVELPQLTIHQMPCK  
WGWALALTNVI

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.