
Product Data Sheet

Product Name: FUCA2 Human

Cat. No.: GP21637

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fucosidase;alpha-L- 2; plasma; dj20N2.5; RP1-20N2.5; Plasma alpha-L-fucosidase; Alpha-L-fucosidase 2; Alpha-L-fucosidase 2; PSEC0151; UNQ227/PRO260.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHSATRFD PTWESLDARQ LPAWFDQAKF GIFIHGWVFS VPSFGSEWFWWWYWQKEKIPK YVEFMKDNYP PSFKYEDFGP LFTAKFFNAN QWADIFQASG AKYIVLTSKH HEGFTLWGSEYSWNWNAIDE GPKRDIVKEL EVAIRNRTDL RFLYSLFE WFHPLFEDE SSSFHKRQFP VSKTLPELYELVNNYQPEVL WSDGDGGAPD QYWNSTGFLA WLYNESPVRG TVVTNDRWGA GSICKHGGFY TCSDRYNPGHLLPHKWENCM TIDKLSWGYR REAGISDYLT IEELVKQLVE TVSCGGNLLM NIGPTLDGTI SVVFEERLRQMGSWLKVNGE AIYETHTWRS QNDTVTPDVW YTSKPKEKLV YAIFLKWPTS GQLFLGHPKA ILGATEVKLLGHGQPLNWIS LEQNGIMVEL PQLTIHQMPK KWGWALALTN VI.		
Formulation	FUCA2 protein solution (1mg/ml) containing 20mM phosphate(pH8.0) and 10% glycerol.		

Introduction

Fucosidase Alpha-L- 2 Plasma (FUCA2) is a plasma alpha-L-fucosidase, which represents 10-20% of the total cellular fucosidase activity. FUCA2 protein belongs to the glycosyl hydrolase 29 family, and catalyzes the hydrolysis of the alpha-1,6-linked fucose fused to the reducing-end N-acetylglucosamine of the carbohydrate moieties of glycoproteins. FUCA2 is crucial for Helicobacter pylori adhesion to human gastric cancer cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

FUCA2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 462 amino acids (29-467 a.a) and having a molecular mass of 53.3kDa. FUCA2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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