Plasma Alpha-L-Fucosidase (FUCA2) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Plasma alpha-L-fucosidase (Fuca2), Recombinant Protein
Full Product Name	Recombinant Rat Plasma alpha-L-fucosidase (Fuca2)
Product Gene Name	Fuca2 recombinant protein
Product Synonym Gene Name	Fuca2
Sequence	LSYDPTWESL DRRPLPAWFD QAKFGIFIHW GVFSVPSFGS EWFWWYWQKE RRPKFVDFMD NNYPPGFKYE DFGVLFTAKY FNANQWADLL QASGAKYVVL TSKHHEGFTL WGSAHSWNWN AVDEGPKRDI VKELEVAVRN RTDLHFGLYY SLFEWFHPLF LEDQSSAFQK QRFPVAKTLP ELYELVTKYQ PEVLWSDGDG GAPDHYWNST DFLAWLYNES PVRDTVVTND RWGAGSICKH GGYYTCSDRY NPGHLLPHKW ENCMTIDKFS WGYRREAEIG DYLTIEELVK QLVETVSCGG NLLMNIGPTL DGIIPVIFEE RLRQMGTWLK VNGEAIYETH TWRSQNDTVT PDVWYTSKPE KKLVYAIFLK WPISGKLFLG QPIGSLGETE VELLGHGRPL TWTSSKPSGI VVELPRLSVH QMPCKWGWTL ALTNVT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	53,258 Da
Sequence Positions	24-459, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q6AYS4
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Fuca2 recombinant protein	MBS1377970 is a recombinant protein targeting Fuca2. Also known as Recombinant Rat Plasma alpha-L-fucosidase (Fuca2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Fuca2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Fuca2. It may not necessarily be applicable to this product.

NCBI GI #	51948408
NCBI GeneID	292485
NCBI Accession #	NP_001004218.1
UniProt Primary Accession #	Q6AYS4

UniProt Related Accession #	Q6AYS4
GenBank Nucleotide #	NM_001004218.1
NCBI Official Full Name	plasma alpha-L-fucosidase
NCBI Official Synonym Full Names	alpha-L-fucosidase 2
NCBI Official Symbol	Fuca2
UniProt Protein Name	Plasma alpha-L-fucosidase
UniProt Synonym Protein Names	Alpha-L-fucoside fucohydrolase 2; Alpha-L-fucosidase 2
Protein Family	Plasma alpha-L-fucosidase
UniProt Gene Name	Fuca2
UniProt Synonym Gene Names	Alpha-L-fucosidase 2
NCBI Protein Information	plasma alpha-L-fucosidase
NCBI Summary for Fuca2	cytoplasm-specific alpha-L fucosidase; important for carbohydrate and glycosaminoglycan metabolism [RGD, Feb 2006]
UniProt Comments for Fuca2	Alpha-L-fucosidase is responsible for hydrolyzing the alpha-1,6-linked fucose joined to the reducing-end N-acetylglucosamine of the carbohydrate moieties of glycoproteins.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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