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Datasheet for ABIN1474173

**FUCA1 Protein (AA 29-462) (His tag)**

## Overview

Quantity:	1 mg
Target:	FUCA1
Protein Characteristics:	AA 29-462
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This FUCA1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	AP HHYTPDWPSL DSRPLPRWFD EAKFGLFVHW GVYSVPAWGS EWFWWHWQGE QSSAYVRFMK ENYPPGFSYA DFAPQFTARF FHPEEWADLF QAAGAKYVVL TAKHHEGFTN WPSAVSWNWN SKDVGPHRDL VGELGA AVRK RNIRYGLYHS LFEWFHPLYL LDKKNGLKTQ HFVSTKTMPE LYDLVNRYKP DLIWSDGEWE CPDSYWNSTE FLAWLYNESP VKDQVVVNDR WGQNCSCRHG GYYNCEDKYR PHSLPDHKWE MCTSVDKASW GYRRDMSMST IVDENEIIEE LVQTISLGGN YLLNIGPNKD GVIVPIFQER LLAVGKWLQI NGEAIYASKP WRVQSERNKT VWYTTKDSA VYATFLHWPE DGVVNLQSPK MTSATKITML GMEGELHWTQ DPLEGVLITL PQLPPGTFPV ESAWTLKLTK VN
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

Purity: > 90 %

## Target Details

Target: FUCA1

Alternative Name: Tissue alpha-L-fucosidase (Fuca1) ([FUCA1 Products](#))

Background: Recommended name: Tissue alpha-L-fucosidase.  
EC= 3.2.1.51.  
Alternative name(s): Alpha-L-fucosidase I Alpha-L-fucoside fucosylhydrolase 1.  
Short name= Alpha-L-fucosidase 1

UniProt: [P17164](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

## Handling

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Storage: -20 °C

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.