

Product datasheet

Recombinant Human FUCA1 protein ab114799

1 Image

Overview

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**Product name** Recombinant Human FUCA1 protein  
**Protein length** Protein fragment

Description

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**Nature** Recombinant  
**Source** Wheat germ

Amino Acid Sequence

**Accession** [P04066](#)  
**Species** Human  
**Sequence** EAIYASKPWRVQWEKNTTSVWYTSKGSAYYAIFLHWPENGLNLESPITT  
 STTKITMLGIQGDLDKWDTPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK  
**Molecular weight** 37 kDa including tags  
**Amino acids** 367 to 466

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab114799** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Western blot  
 SDS-PAGE  
 ELISA

**Form** Liquid

**Additional notes** Protein concentration is above or equal to 0.05 mg/ml.  
 This protein is best used within three months from the date of receipt.

Preparation and Storage

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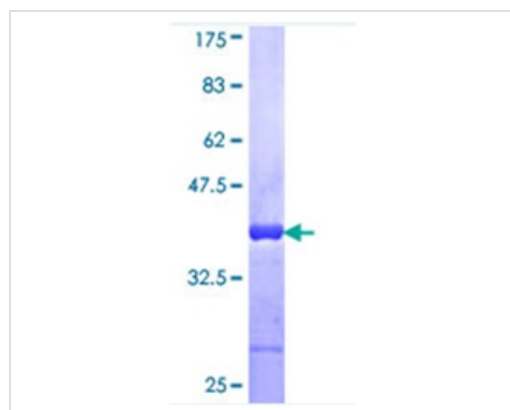
**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
 pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

<b>Function</b>	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.
<b>Involvement in disease</b>	Defects in FUCA1 are the cause of fucosidosis (FUCA1D) [MIM:230000]. FUCA1D is an autosomal recessive lysosomal storage disease characterized by accumulation of fucose-containing glycolipids and glycoproteins in various tissues. Clinical signs include facial dysmorphism, dysostosis multiplex, moderate hepatomegaly, severe intellectual deficit, deafness, and according to age, angiokeratomas.
<b>Sequence similarities</b>	Belongs to the glycosyl hydrolase 29 family.
<b>Cellular localization</b>	Lysosome.

## Images



ab114799 on 12.5% SDS-PAGE Stained with Coomassie Blue.

SDS-PAGE - FUCA1 protein (ab114799)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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