

## Recombinant Human FUCA1 protein, His-tagged

Cat. No. FUCA1-3572H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FUCA1 protein(113-461 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	113-461 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
<b>AASequence</b>	EEWADLFQAAGAKYVVLTTKHHEGFTNWSPVSWNWNSKDVGPHRDLVGELGTA LRKRNIRYGLYHSLLEWFHPLYLLDKNGFKTQHFVSAKTMPELYDLVNSYKPDLIW SDGEWECPTYWNSTNFLSWLYNDSPVKDEVVNDRWGQNCSCHHGGYYNCED KFKPQSLPDHKWEMCTSIDKFSWGYRRDMALSDVTEESEIISELVQTVSLGGNYLLN IGPTKDGLIVPIFQERLLAVGKWL SINGEAIYASKPWRVQWEKNTTSVWYTSKGS AV YAIFLHWPENGVLNLESPITTSTTKITMLGIQGD LKWSTDPDKGLFISLPQLPPSAVPA EFAWTIKLTGVK
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	FUCA1 fucosidase, alpha-L- 1, tissue [ Homo sapiens ]
<b>Official Symbol</b>	FUCA1
<b>Synonyms</b>	FUCA1; fucosidase, alpha-L- 1, tissue; tissue alpha-L-fucosidase; alpha-L-fucosidase 1; alpha-L-fucosidase I; alpha-L-fucoside fucohydrolase 1; FUCA;
<b>Gene ID</b>	2517
<b>mRNA Refseq</b>	NM_000147
<b>Protein Refseq</b>	NP_000138
<b>MIM</b>	612280
<b>UniProt ID</b>	P04066

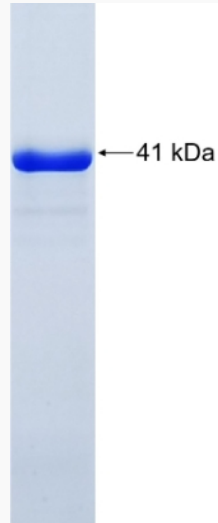
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SDS-PAGE



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