

Recombinant Human FUCA1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human FUCA1 protein(113-461 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	113-461 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 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.
AASequence	EEWADLFQAAGAKYVVLTTKHHEGFTNWSPVSWNWNSKDVGPHRDLVGELGTA LRKRNIRYGLYHSLLEWFHPLYLLDKNGFKTQHFVSAKTMPELYDLVNSYKPDLIW SDGEWECPTYWNSTNFLSWLYNDSPVKDEVVNDRWGQNCSCHHGGYYNCED KFKPQSLPDHKWEMCTSIDKFSWGYRRDMALSDVTEESEIISELVQTVSLGGNYLLN IGPTKDGLIVPIFQERLLAVGKWLSENGEAIYASKPWRVQWEKNTTSVWYTSKGSAY YAIFLHWPEGVNLESPITTSTTKITMLGIQGDLDKWDTPDKGLFISLPQLPPSAVPA EFAWTIKLTGVK
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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

Gene Name FUCA1 fucosidase, alpha-L- 1, tissue [Homo sapiens]

Official Symbol [FUCA1](#)

Synonyms FUCA1; fucosidase, alpha-L- 1, tissue; tissue alpha-L-fucosidase; alpha-L-fucosidase 1; alpha-L-fucosidase I; alpha-L-fucoside fucohydrolase 1; FUCA;

Gene ID [2517](#)

mRNA Refseq [NM_000147](#)

Protein Refseq [NP_000138](#)

MIM [612280](#)

UniProt ID [P04066](#)

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