

Recombinant Human FUCA1 protein, His & T7-tagged

Cat. No. FUCA1-7730H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FUCA1 aa. (Phe53~Pro289 (Accession # P04066)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe53~Pro289
Description	The protein encoded by this gene is a lysosomal enzyme involved in the degradation of fucose-containing glycoproteins and glycolipids. Mutations in this gene are associated with fucosidosis (FUCA1D), which is an autosomal recessive lysosomal storage disease. A pseudogene of this locus is present on chr 2.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.4.
Applications	SDS-PAGE; WB; ELISA; IP.

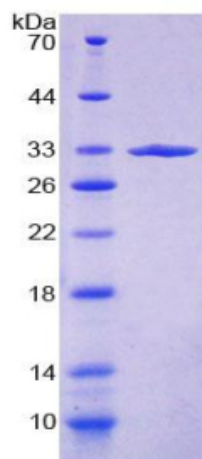
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	FUCA1 fucosidase, alpha-L- 1, tissue [Homo sapiens (human)]
Official Symbol	FUCA1
Synonyms	FUCA; alpha-L-fucosidase 1; alpha-L-fucosidase I; alpha-L-fucoside fucohydrolase 1; tissue alpha-L-fucosidase
Gene ID	2517
mRNA Refseq	NM_000147.4
Protein Refseq	NP_000138.2
UniProt ID	P04066

SDS-PAGE



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