

Recombinant Human FUCA1

Cat. No. FUCA1-28956TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 367-466 of Human FUCA1, with a N terminal proprietary tag; predicted MW: 36.63 kDa inclusive of tag. P04066,
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
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.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids	EAIYASKPWRVQWEKNTTSVWYTSKGS AVY AIFLHWPENGLNLESPITTSTTKITM LGIQGD LKWSTDPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK
Sequence Similarities	Belongs to the glycosyl hydrolase 29 family.
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;
Gene ID	2517
mRNA Refseq	NM_000147
Protein Refseq	NP_000138
MIM	612280
Uniprot ID	P04066
Chromosome Location	1p34
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Other glycan degradation, organism-specific biosystem; Other glycan degradation, conserved biosystem;
Function	alpha-L-fucosidase activity; cation binding; hydrolase activity, acting on glycosyl

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bonds; sugar binding;

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