

Product datasheet for PH305683

FUCA1 (NM_000147) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FUCA1 MS Standard C13 and N15-labeled recombinant protein (NP_000138)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205683
Predicted MW:	53.2 kDa
Protein Sequence:	>RC205683 protein sequence Red=Cloning site Green=Tags(s)

MRSRPAGPALLLLLLFLGAAESVRRRAQPPRRYTPDWPSLDSRPLPAWFDEAKFGVFIHWGVFSVPAWGSE
 FFWWHWQGEGRPYQRFMRDNYPPGFSYADFGPQFTARFFHPEEWADLFQAAGAKYVVLTTKHHEGFTNW
 PSPVSWNWNKDVGPHRDLVGEGLTALRKRNIYGLYHSLLEWFHPLYLLDKKNGFKTQHFVSAKTMPEL
 YDLVNSYKPDLIWSDGEWECPTYWNSTNFLSWLYNDSPVKDEVVYVNDRWGQNCSCHHGGYVNCEDKFKP
 QSLPDHKWEMCTSIDKFSWGYRRDMALSDVTEESEIISELVQTVSLGGNYLLNIGPTKDGILVPIFQERL
 LAVGKWL SINGEAIYASKPWRVQWEKNTTSVWYTSKGSAYVAIFLHWPENGLNLLESPITTTKITMLG
 IQGDLKWSTRDPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000138</u>
RefSeq Size:	2133
RefSeq ORF:	1383
Synonyms:	FUCA



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Locus ID: 2517

UniProt ID: [P04066](#)

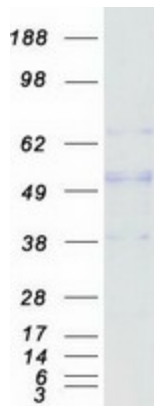
Cytogenetics: 1p36.11

Summary: 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.[provided by RefSeq, Oct 2009]

Protein Families: Druggable Genome

Protein Pathways: Lysosome, Other glycan degradation

Product images:



Coomassie blue staining of purified FUCA1 protein (Cat# [TP305683]). The protein was produced from HEK293T cells transfected with FUCA1 cDNA clone (Cat# [RC205683]) using MegaTran 2.0 (Cat# [TT210002]).