

Product datasheet for TP305683M

OriGene Technologies, Inc.

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FUCA1 (NM_000147) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human fucosidase, alpha-L- 1, tissue (FUCA1), 100 μg

Species: Human Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC205683 protein sequence Red=Cloning site Green=Tags(s)

MRSRPAGPALLLLLLFLGAAESVRRAQPPRRYTPDWPSLDSRPLPAWFDEAKFGVFIHWGVFSVPAWGSE WFWWHWQGEGRPQYQRFMRDNYPPGFSYADFGPQFTARFFHPEEWADLFQAAGAKYVVLTTKHHEGFTNW PSPVSWNWNSKDVGPHRDLVGELGTALRKRNIRYGLYHSLLEWFHPLYLLDKKNGFKTQHFVSAKTMPEL YDLVNSYKPDLIWSDGEWECPDTYWNSTNFLSWLYNDSPVKDEVVVNDRWGQNCSCHHGGYYNCEDKFKP QSLPDHKWEMCTSIDKFSWGYRRDMALSDVTEESEIISELVQTVSLGGNYLLNIGPTKDGLIVPIFQERL

LAVGKWLSINGEAIYASKPWRVQWEKNTTSVWYTSKGSAVYAIFLHWPENGVLNLESPITTSTTKITMLG IQGDLKWSTDPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 50.8 kDa

Concentration: >0.05 μg/μL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some

loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 000138





Locus ID: 2517

UniProt ID: P04066 RefSeq Size: 2133 Cytogenetics: 1p36.11 RefSeq ORF: 1383

Synonyms: **FUCA**

Summary: The protein encoded by this gene is a lysosomal enzyme involved in the degradation of fucosecontaining glycoproteins and glycolipids. Mutations in this gene are associated with fucosidosis

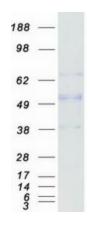
(FUCA1D), which is an autosomal recessive lysosomal storage disease. A pseudogene of this locus

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]).