

Product datasheet for **TP305683M**

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 >RC205683 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MRSRPAGPALLLLLLFLGAAESVRRRAQP PRRYTPDWPSLDSRPLPAWFDEAKFGVFIHWGVFVSPAWGSE
WFWWHWQGEGRPQYQRFMRDNYPPGFSYADFGPQFTARFFHPEEWADLFQAAGAKYVVLTTKHHEGFTNW
PSPVSWNWNSKDVGPHRDLV GELGTALRKRNI RYGLYHSLLEWFHPLYLLDKKNGFKTQHFVSAKTMP EL
YDLVNSYKPDLIWSDGEWECPTYWNSTNFLSWLYNDSPVKDEVVWDRWGQNC SCHHGGYYNCEDKFKP
QSLPDHKWEMCTSIDKFSWGYRRDMALSDVTEESEI ISELVQTVSLGGNYLLNIGPTKDGLIVPIFQERL
LAVGKWL SINGEAIYASKPWRVQWEKNTTSVWYTSKGS AVYAIFLHWPENGLNLESPITSTTKITMLG
IQGDLK WSTDPDKGLFISLPQLPPSAVPAEFAWTIKLTGVK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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](#)



[View online »](#)

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 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]).