

Product datasheet for **TP305683**

FUCA1 (NM_000147) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fucosidase, alpha-L- 1, tissue (FUCA1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205683 protein sequence Red =Cloning site Green =Tags(s) MRSRPAGPALLLLLLFLGAAESVRRRAQPPRRYTPDWPSLDSRPLPAWFDEAKFGVFIHWGVFVSPAWGSE WFWWHWQGEGRPQYQRFMRDNYPPGFSYADFGPQFTARFFHPEEWADLFQAAGAKYVWLTTKHHEGFTNW PSPVSWNWNSKDVGPHRDLVGGELGTALRKRNIYGLYHSLLEWFHPLYLLDKKNGFKTQHFVSAKTMPPEL YDLVNSYKPDLIWSDGEWPCPTYWNSTNFLSWLYNDSPVKDEVVWDRWGQNCSCHHGGYYNCEDKFKP QSLPDHKWEMCTSIDKFSWGYRRDMALSDVTEESEIISELVQTVSLGGNYLLNIGPTKDGLIVPIFQERL LAVGKWL SINGEAIYASKPWRVQWEKNTTSVWYTSKGS AVYAIFLHWPENGLNLESPITSTTKITMLG 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:	<u>NP_000138</u>



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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]).