

Product datasheet for **TP306288M**

Ceramide glucosyltransferase (UGCG) (NM_003358) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UDP-glucose ceramide glucosyltransferase (UGCG), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206288 protein sequence Red =Cloning site Green =Tags(s)
	 MALLDLALEGMAVFGFVFLVLWLMHFMAIIYTRLHLNKKATDKQPYSKLPGVSLKPLKGVDPNLINNL ETFFELDYPKYEVLCCVQDHDDPAIDVCKKLLGKYPNV DARLFIGGKKGINPKINNLMPGYEVAKYDLI WICDSGIRVIPDTLDMVNQMTEKVGLVHGLPYVADRQGFAATLEQVYFGTSHPRYYISANVTGFKCVTG MSCLMRKDVLQAGGLIAFAQYIAEDYFMAKAIADRGWRFAMSTQVAMQNSGSYSISQFQSRMIRWTKLR INMLPATIICEPISECFVASLIIGWAAHHVFRWDIMVFFMCHCLAWFIFYIQLRGVQGGTLCFSKLDYA VAWFIRESMTIYIFLSALWDPTISWRTGRYRLRCGGTAAEILDV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	44.7 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_003349
Locus ID:	7357



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UniProt ID: [Q16739](#), [A0A024R157](#)

RefSeq Size: 1637

Cytogenetics: 9q31.3

RefSeq ORF: 1182

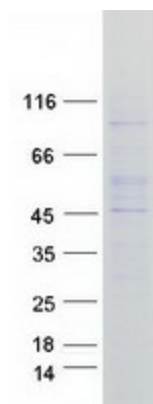
Synonyms: GCS; GLCT1

Summary: This gene encodes an enzyme that catalyzes the first glycosylation step in the biosynthesis of glycosphingolipids, which are membrane components containing lipid and sugar moieties. The product of this reaction is glucosylceramide, which is the core structure of many glycosphingolipids. [provided by RefSeq, Dec 2014]

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, Sphingolipid metabolism

Product images:



Coomassie blue staining of purified UGCG protein (Cat# [TP306288]). The protein was produced from HEK293T cells transfected with UGCG cDNA clone (Cat# [RC206288]) using MegaTran 2.0 (Cat# [TT210002]).