

Recombinant Full Length Human UGCG Protein, GST-tagged

Cat. No. UGCG-572HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human UGCG(1 a.a. - 394 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	394 amino acids
Description	Glycosphingolipids (GSLs) are a group of membrane components that contain lipid and sugar moieties. They are present in essentially all animal cells and are believed to have important roles in various cellular processes. UDP-glucose ceramide glucosyltransferase catalyzes the first glycosylation step in glycosphingolipid biosynthesis. The product, glucosylceramide, is the core structure of more than 300 GSLs. UGCG is widely expressed and transcription is upregulated during keratinocyte differentiation.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	71.3 kDa
AA Sequence	MALLDLALEG MAVFGFVLFL VLWLMHFMAI IYTRLHLNKK ATDKQPYSKL PGVSLLKPLK GVDPNLINNL ETFFELDYPK YEVLCCVQDH DDPAIDVCKK LLGKYPNVDA RLFIGGKKVG INPKINNLM GYEVAKYDLI WICDSGIRVI PDTLTDMVNQ MTEKVGLVHG LPYVADRQGF AATLEQVYFG TSHPRYYISA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NVTGFKCVTG MSCLMRKDV L DQAGGLIAFA QYIAEDYFMA KAIADRGWRF
 AMSTQVAMQN SGSYSISQFQ SRMIRWTKLR INMLPATIIC EPISECFVAS
 LIIGWAAHHV FRWDIMVFFM CHCLAWFIFD YIQLRGVQGG TLCFSKLDYA
 VAWFIRESMT IYIFLSALWD PTISWRTGRY RLRCGGTAE ILDV

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

UGCG UDP-glucose ceramide glucosyltransferase [Homo sapiens]

Official Symbol

UGCG

Synonyms

UGCG; UDP-glucose ceramide glucosyltransferase; ceramide glucosyltransferase;
 GCS; glucosylceramide synthase; GLCT-1; UDP-glucose:N-acylsphingosine D-
 glucosyltransferase; GLCT1

Gene ID

7357

mRNA Refseq

NM_003358

Protein Refseq

NP_003349

MIM

602874

UniProt ID

Q16739

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