Recombinant Human UGCG protein, MYC/DDK-tagged

UGCG-3580H  Human(UGCG)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview  Recombinant Human UGCG fused with MYC/DDK tag at C-terminal was expressed in HEK293.

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.

Source  HEK293
Species  Human
Tag  MYC/DDK
Form  25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass  44.7 kDa
Purity  > 80% as determined by SDS-PAGE and Coomassie blue staining

PACKAGING

Concentration  >50 ug/mL as determined by microplate BCA method

ANTIGEN 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;
GeneID  7357
mRNA Refseq  NM_003358
Protein Refseq  NP_003349
MIM  602874
UniProt ID  Q16739
Chromosome Location  9q31
Pathway  Glycosphingolipid metabolism, organism-specific biosystem; IL2 signaling events mediated by PI3K, organism-specific biosystem; Lactosylceramide biosynthesis, organism-specific biosystem; Lactosylceramide biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;
Function  ceramide glucosyltransferase activity; transferase activity, transferring glycosyl groups;
REFERENCES