

Recombinant Human UGCG protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Recombinant Human UGCG fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	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.
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
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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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
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;

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