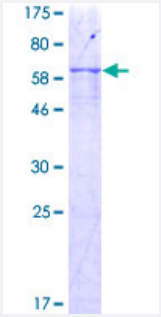
Full-Length

UGCG (Human) Recombinant Protein (P01)

Catalog # H00007357-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UGCG full-length ORF (NP_003349.1, 1 a.a. - 394 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MALLDLALEGMAVFGFVLFLVLWLMHFMAIIYTRLHLNKKATDKQPYSKLPGVSLLKPLKGVDPNLI NNLETFFELDYPKYEVLLCVQDHDDPAIDVCKKLLGKYPNVDARLFIGGKKVGINPKINNLMPGYEV AKYDLIWICDSGIRVIPDTLTDMVNQMTEKVGLVHGLPYVADRQGFAATLEQVYFGTSHPRYYISAN VTGFKCVTGMSCLMRKDVLDQAGGLIAFAQYIAEDYFMAKAIADRGWRFAMSTQVAMQNSGSYSI SQFQSRMIRWTKLRINMLPATIICEPISECFVASLIIGWAAHHVFRWDIMVFFMCHCLAWFIFDYIQLR GVQGGTLCFSKLDYAVAWFIRESMTIYIFLSALWDPTISWRTGRYRLRCGGTAEEILDV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	71.3
Interspecies Antigen Sequence	Mouse (98); Rat (97)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — UGCG

Entrez GeneID	7357
GeneBank Accession#	NM_003358.1
Protein Accession#	NP_003349.1
Gene Name	UGCG
Gene Alias	GCS
Gene Description	UDP-glucose ceramide glucosyltransferase
Omim ID	602874
Gene Ontology	Hyperlink
Gene Summary	Glycosphingolipids (GSLs) are a group of membrane components that contain lipid and sugar mo ieties. They are present in essentially all animal cells and are believed to have important roles in v arious cellular processes. UDP-glucose ceramide glucosyltransferase catalyzes the first glycosyla tion step in glycosphingolipid biosynthesis. The product, glucosylceramide, is the core structure of more than 300 GSLs. UGCG is widely expressed and transciption is upregulated during keratinoc yte differentiation. [provided by RefSeq
Other Designations	OTTHUMP00000021925|ceramide glucosyltransferase|glucosylceramide synthase

Pathway

- Metabolic pathways
- Sphingolipid metabolism

Disease

- Gaucher disease