

Rat Ceramide Glucosyltransferase (UGCG) ELISA Kit | UGCG elisa kit

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CATALOG #
AAA330158

REACTIVITY
Rat

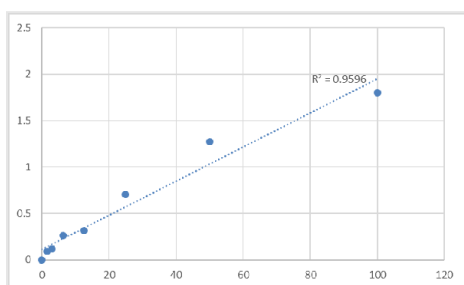
PRODUCT SYNONYMS

Ceramide Glucosyltransferase (UGCG); Rat Ceramide Glucosyltransferase (UGCG) ELISA Kit; UGCG; GCS; GLCT1; UDP-glucose:N-acylsphingosine D-glucosyltransferase; ceramide glucosyltransferase; glucosylceramide synthase; UGCG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Ceramide glucosyltransferase (UGCG) ELISA Kit has high sensitivity and excellent specificity for detection of Rat UGCG. No significant cross-reactivity or interference between Rat UGCG and analogues was observed.
Sequence Length	394
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Ceramide glucosyltransferase (UGCG) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for UGCG elisa kit	Description: This Rat Ceramide glucosyltransferase (UGCG) ELISA Kit employs a two-site sandwich ELISA to quantitate UGCG in samples. An antibody specific for UGCG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UGCG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UGCG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of UGCG bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: UDP-glucose:glycoprotein glucosyltransferase (UGT) is a soluble protein of the endoplasmic reticulum (ER) that selectively reglucosylates unfolded glycoproteins, thus providing quality control for protein transport out of the ER. The assembled full-length HUGT1 cDNA encodes a deduced 1,555-amino acid protein with a predicted ER-targeting signal sequence, ER retrieval signal, 3 N-glycosylation sites, and 2 disulfide loops. HUGT1 shares 55% sequence identity with HUGT2 and 31 to 45% identity with Drosophila, C. elegans, and S. pombe homologs. Northern blot analysis detected 3 HUGT1 transcripts of 5.7, 8, and 10.6 kb in pancreas, heart, brain, placenta, lung, liver, skeletal muscle, and kidney.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25742623
NCBI GeneID	83626
NCBI Accession #	NP_113983.1
NCBI GenBank Nucleotide #	NP_113983.1
UniProt Accession #	Q9R0E0
NCBI Official Full Name	ceramide glucosyltransferase
NCBI Official Synonym Full Names	UDP-glucose ceramide glucosyltransferase
NCBI Official Symbol	Ugcg
NCBI Protein Information	ceramide glucosyltransferase
UniProt Protein Name	Ceramide glucosyltransferase
UniProt Gene Name	Ugcg
UniProt Synonym Gene Names	GCS

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/ceramide-glucosyltransferase-ugcg/330158>