

UDP Glucose Ceramide Glucosyltransferase Active Protein | UGCG active protein

Active UDP Glucose Ceramide Glucosyltransferase (UGCG)

CATALOG #
AAA150115

APPLICATIONS
Activity Assay, Cell Culture

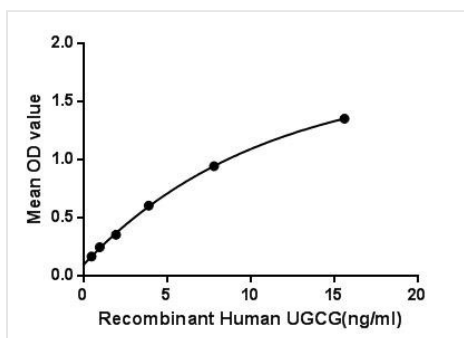
PRODUCT SYNONYMS

UDP Glucose Ceramide Glucosyltransferase; Active UDP Glucose Ceramide Glucosyltransferase (UGCG); GCS; GLCT-1; Glucosylceramide Synthase; N-acylsphingosine D-glucosyltransferase; UGCG active protein

PRODUCT SPECIFICATIONS

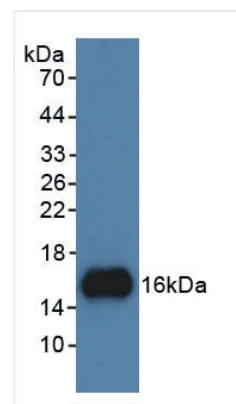
Purity/Purification	>95%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Lys39~Leu171
Sequence Length	409
Applicable Applications for UGCG active protein	Activity Assay, Cell Culture
Species	Human, Mouse, Rat
Tag	N-terminal His Tag
Isoelectric Point	6.7
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



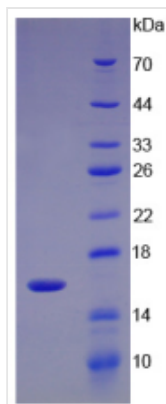
Bioactivity

Figure. The binding activity of UGCG with LMP2.



WB (Western Blot)

Figure. Western Blot



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for UGCG active protein	Enzyme & Kinase; Metabolic pathway; Endocrinology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13161191
Molecular Weight	Predicted Molecular Mass: 16.1kDa Accurate Molecular Mass: 16kDa
NCBI Official Full Name	UDP-glucose ceramide glucosyltransferase

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/ugcg-active-protein/udp-glucose-ceramide-glucosyltransferase/150115>