RPB742Mi01 100µg

Recombinant UDP Glucose Ceramide Glucosyltransferase (UGCG)

Organism Species: Homo sapiens (Human)

Mus musculus (Mouse)

Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.
Host: *E. coli*
Residues: Lys39~Leu171
Tags: N-terminal His-Tag
Tissue Specificity: Testis.
Subcellular Location: Golgi apparatus membrane; Multi-pass membrane protein.
Purity: >95%
Traits: Freeze-dried powder
Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Original Concentration: 200ug/mL
Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.
(May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point: 6.7
Predicted Molecular Mass: 16.1kDa
Accurate Molecular Mass: 16kDa as determined by SDS-PAGE reducing conditions.
Note: 98% cross-reactivity of UGCG was observed among human, mouse and rat.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.
Store at 2-8^{o}C for one month.
Aliquot and store at -80^{o}C for 12 months.

Stability Test: 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°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.

[SEQUENCE]

KK ATDKQPYSKL
PGVSLLKPLK GVDPNLINNL ETFFELDYPK YEVLLCVQDH DDPAIDVCKK
LLGKYPNVDA RLFIGGKKVG INPKINNLMP GYEVAKYDLI WICDSGIRVI
PDTLTDMVNQ MTEKVGLVHG L

[IDENTIFICATION]

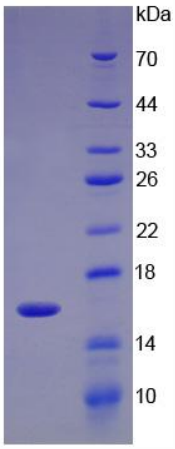

Figure 1. SDS-PAGE