

**RPB742Mi01 10μg**

**Recombinant UDP Glucose Ceramide Glucosyltransferase (UGCG)**

**Organism Species: Homo sapiens (Human)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

## **[ PROPERTIES ]**

**Residues:** Lys39~Leu171 (Accession # Q16739),  
with N-terminal His-Tag.

**Host:** *E. coli*

**Subcellular Location:** Golgi apparatus  
membrane; Multi-pass membrane protein.

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1μg  
(determined by the LAL method).

**Formulation:** Supplied as lyophilized form in PBS,  
pH7.4, containing 5% sucrose, 0.01% sarcosyl.

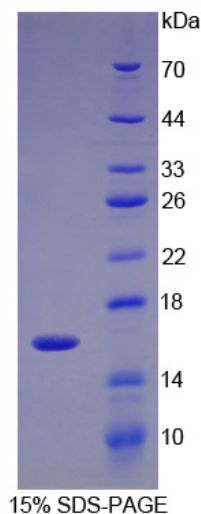
**Predicted isoelectric point:** 6.7

**Predicted Molecular Mass:** 16.4kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

Note: 98% cross-reactivity of UGCG was observed among human, mouse and rat.



## **[ USAGE ]**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## **[ STORAGE AND STABILITY ]**

### **Storage: Avoid repeated freeze/thaw cycles.**

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## **[ SEQUENCES ]**

The target protein is fused with N-terminal His-Tag, its sequence is listed below.  
MGHHHHHHSGSEF-KK ATDKQPYSKL PGVSLKPLK GVDPNLINNL ETFFELDYPK  
YEVLLCVQDH DDPAIDVCKK LLGKYPNVDA RLFIGGKKVG INPKINNLM GYEVAKYDLI  
WICDSGIRVI PDTLTDMVNQ MTEKVGLVHG L

## **[ REFERENCES ]**

1. Ichikawa S., *et al.* (1996) Proc. Natl. Acad. Sci. U.S.A. 93:4638-4643.
2. Beutler E., West C. (2002) Isr. Med. Assoc. J. 4:986-988.
3. Di Sano F., *et al.* (2003) Cancer Res. 63:3860-3865.
4. Grazide S., *et al.* (2004) J. Biol. Chem. 279:18256-18261.