

# Recombinant human Glucuronosyltransferase 1A1/UGT1A1 protein

Catalog Number: ATGP3014

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

26-490aa

**UniProt No.**

P22309

**NCBI Accession No.**

NP\_000454

**Alternative Names**

uDP-glucuronosyltransferase 1-1, uDP-glucuronosyltransferase 1-1, BILQTL1, GNT1, HuG-BR1, uDPGT, uDPGT 1-1, uGT1, uGT1A

## PRODUCT SPECIFICATION

**Molecular Weight**

54.7 kDa (488aa)

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Purity**

> 90% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE, Denatured

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**Description**

uGT1A1 also known as uDP-glucuronosyltransferase 1-1. uGT1A1 is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. It is also able to catalyze glucuronidation of 17beta-estradiol, 17alpha-ethinylestradiol, 1-hydroxypyrene, 4-methylumbelliferone, 1-naphthol, paranitrophenol, scopoletin, and umbelliferone. Recombinant human uGT1A1, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

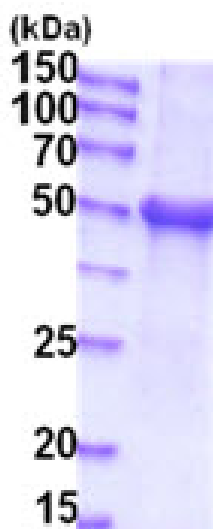
MGSSHHHHHH SSGLVPRGSH MGSAGKILL IPVDGSHWLS MLGAIQQLQQ RGHEIVVLAP DASLYIRDGA FYTLKTPVP  
 FQREDVKESF VSLGHNVFEN DSFLQRVIKT YKKIKKDSAM LLSGCSHLLH NKELMASLAE SSFDVMLTDP FLPCSPIVAQ  
 YLSLPTVFFL HALPCSLEFE ATQCPNPFY VPRPLSSHSD HMTFLQRVKN MLIAFSQNFL CDVVYSPYAT LASEFLQREV  
 TVQDLLSSAS VWLFRSDFVK DYPRPIMPNM VFVGGINCLH QNPLSQEFEA YINASGEHGI VVFSLGSMVS EIPEKKAMAI  
 ADALGKIPQT VLWRYTGTRP SNLANNTILV KWLPQNDLLG HPMTRAFITH AGSHGVYESI CNGVPMVMMP LFGDQMDNAK  
 RMETKGAGVT LNVLEMTSED LENALKAVIN DKSYPENIMR LSSLHKDRPV EPLDLAVFWV EFVMRHKGAP HLRPAHDLT  
 WYQYHSLD

## General References

udomuksorn W., et al. (2007) Pharmacogenet. Genomics 17:1017-1029

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)