

## UGT2B17 Protein, Human (Cell-Free, His)

<b>Cat. No.:</b>	HY-P702488
<b>Synonyms:</b>	UDP-glucuronosyltransferase 2B17; C19-steroid-specific UDP-glucuronosyltransferase; C19-steroid-specific UDPGT
<b>Species:</b>	Human
<b>Source:</b>	E. coli Cell-free
<b>Accession:</b>	O75795 (G24-D530)
<b>Gene ID:</b>	7367
<b>Molecular Weight:</b>	64.5 kDa

### PROPERTIES

#### AA Sequence

G K V L V W P T E Y	S H W I N M K T I L	E E L V Q R G H E V	I V L T S S A S I L
V N A S K S S A I K	L E V Y P T S L T K	N D L E D F F M K M	F D R W T Y S I S K
N T F W S Y F S Q L	Q E L C W E Y S D Y	N I K L C E D A V L	N K K L M R K L Q E
S K F D V L L A D A	V N P C G E L L A E	L L N I P F L Y S L	R F S V G Y T V E K
N G G G F L F P P S	Y V P V V M S E L S	D Q M I F M E R I K	N M I Y M L Y F D F
W F Q A Y D L K K W	D Q F Y S E V L G R	P T T L F E T M G K	A E M W L I R T Y W
D F E F P R P F L P	N V D F V G G L H C	K P A K P L P K E M	E E F V Q S S G E N
G I V V F S L G S M	I S N M S E E S A N	M I A S A L A Q I P	Q K V L W R F D G K
K P N T L G S N T R	L Y K W L P Q N D L	L G H P K T K A F I	T H G G T N G I Y E
A I Y H G I P M V G	I P L F A D Q H D N	I A H M K A K G A A	L S V D I R T M S S
R D L L N A L K S V	I N D P I Y K E N I	M K L S R I H H D Q	P V K P L D R A V F
W I E F V M R H K G	A K H L R V A A H N	L T W I Q Y H S L D	V I A F L L A C V A
T M I F M I T K C C	L F C F R K L A K T	G K K K K R D	

#### Appearance

Lyophilized powder.

#### Formulation

Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

#### Endotoxin Level

<1 EU/µg, determined by LAL method.

#### Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH<sub>2</sub>O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.

#### Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

#### Shipping

Room temperature in continental US; may vary elsewhere.

## DESCRIPTION

### Background

UGT2B17, a key player in phase II biotransformation, orchestrates the conjugation of lipophilic substrates with glucuronic acid, a crucial process that enhances water solubility and facilitates the excretion of metabolites into urine or bile. This versatile UDP-glucuronosyltransferase (UGT) exhibits a specific affinity for endogenous steroid hormones, including androgens such as epitestosterone and androsterone, as well as estrogens like estradiol and epiestradiol. Through its catalytic prowess, UGT2B17 actively contributes to the glucuronidation of these steroid hormones, shaping their bioavailability and aiding in the detoxification and elimination of these compounds from the body. The enzymatic activity of UGT2B17 underscores its essential role in maintaining the delicate balance of steroid homeostasis and metabolic processes.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA