

AR51834PU-S

Human UGT1A1 (26-490, His-tag) - Purified

Alternate names:

Bilirubin-specific UDPGT isozyme 1, GNT1, HUG-BR1, UDP-glucuronosyltransferase 1-1, UDP-glucuronosyltransferase 1A1, UDPGT, UGT-1A, UGT1, UGT1-01, UGT1A

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P22309](#)

NCBI:

[NP_000454](#)

GeneID:

[54658](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Liquid, In 20mM Tris-HCl (pH8.0) containing 10% glycerol.

Description:

Recombinant human uGT1A1, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSAGKILL IPVDGSHWLS MLGAIQQLQQ RGHEIVVLAP
DASLYIRDGA FYTLKTYVPV FQREDVKESF VSLGHNVFEN DSFLQRVIKT YKKIKKDSAM
LLSGCSHLLH NKELMASLAE SSFDVMLTDP FLPCSPIVAQ YLSLPTVFLL HALPCSLEFE
ATQCPNPFYS VPRPLSSHSD HMTFLQVRKN 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 HLRPAAHDLT
WYQYHSLD

Molecular weight: 54.7 kDa (488aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

