

UGT1A1, 26-490aa, Human, His tag, E.coli

Cat.NO.: TP04422

3th Edition

Synonyms:uDP-glucuronosyltransferase 1-1, BILIQTL1, GNT1, HuG-BR1, uDPGT, uDPGT 1-1, uGT1, uGT1A

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.

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

Molecular Weight:54.7kDa (488aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHAGKILLIPVDGSHWLSMLGAIQQLQQRGHEIVVLAPDASLYIRDGAFYTLKT
YPVPFQREDVKESFVSLGHNVFENDSFLQRVIKTYKKIKKDSAMLLSGCSHLLHNKELMASLAESSFDVMLTDPFLP
CSPIVAQYLSLPTVFFLHALPCSLEFEATQCPNPFYSYVPRPLSSHSDHMTFLQRVKNMLIAFSQNFLCDVVYSPYAT
LASEFLQREVTVDLLSSASVWLFVSDFVKDYPRPIMPNMVFGGINCLHQNPLSQEFEAYINASGEHGIVVFSLSGS
MVSEIPEKKAMAIAADALGKIPQTVLWRYTGTRPSNLANTILVKWLPQNDLLGHPMTRAFITHAGSHGVYESICNGV
PMVMMPLFGDQMDNAKRMETKGAGVTLNVLEMTSEDLNALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVFW
VEFVMRHKGAPHLRPAHADLTWYQYHSLD

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.