
Product Data Sheet

Product Name: UGT1A1 Human

Cat. No.: GP22376

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	UDP Glucuronosyltransferase 1 Family; Polypeptide A1; UGT1;GNT1; UDP Glycosyltransferase 1 Family; Polypeptide A1; Bilirubin-SpecificUDPGT Isozyme 1; UDP-Glucuronosyltransferase 1-A; UDP-Glucuronosyltransferase1A1; EC 2.4.1.17; UDPGT 1-1; BILIQTL1; HUG-BR1; UGT1-01; UGT-1A; UGT1*1; UGT1.1;UGT1A; Bilirubin UDP-Glucuronosyltransferase Isozyme 1; BilirubinUDP-Glucuronosyltransferase 1-1; UDP-Glucuronosyltransferase 1-1; UDPGT; UDP-glucuronosyltransferase1-1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHAGKILL IPVDGSHWLS MLGAIQQLQQ RGHEIVVLAP DASLYIRDGA FYTLKTYVPPFQREDVKESF VSLGHNVFEN DSFLQRVIKT YKKIKKDSAM LLSGCSHLLH NKELMASLAE SSFDVMLTDPFLPCSPIVAQ YLSLPTVFFL HALPCSLEFE ATQCPNPFSY VPRPLSSHSD HMTFLQRVKN MLIAFSQNFLCDVVYSPYAT LASEFLQREV TVQDLLSSAS VWLFRSDFVK DYPRPIMPNM VFVGGINCLH QNPLSQEFEAYINASGEHGI VFVSLGSMVS EIPEKKAMAI ADALGKIPQT VLWRYTGTRP SNLANNTILV KWLPQNDLLGHPMTRAFITH AGSHGVYESI CNGVPMVMMP LFGDQMDNAK RMETKGAGVT LNVLEMTSED LENALKAVINDKSYKENIMR LSSLHKDRPV EPLDLAVFWV EFVMRHKGAP HLRPAAHDLT WYQYHSLD.		
Formulation	UGT1A1 protein solution (1mg/ml) containing 20mM Tris-HCl(pH8.0) and 10% glycerol.		

Introduction

UDP Glucuronosyltransferase 1 Family Polypeptide A1, also known as UGT1A1 has a main importance in the conjugation as well as subsequent elimination of potentially

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

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toxic xenobiotics and endogenous compounds. UGT1A1 is also capable of catalyzing glucuronidation of 17beta, 17alpha, 1-hydroxypyrene, 4-methylumbelliferone, 1-naphthol, paranitrophenol, scopoletin, and umbelliferone.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

UGT1A1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 488 amino acids (26-490 a.a) and having a molecular mass of 54.7kDa. UGT1A1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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