

UDP-glucuronosyltransferase 1-1 (UGT1A1) Recombinant Protein | UGT1A1 recombinant protein

Recombinant Human UDP-glucuronosyltransferase 1-1 (UGT1A1)

CATALOG # AAA114017	HOST Yeast
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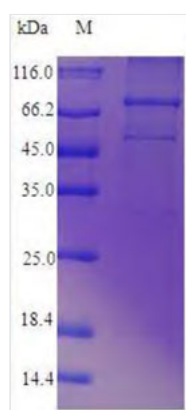
PRODUCT SYNONYMS

UDP-glucuronosyltransferase 1-1 (UGT1A1); Recombinant Human UDP-glucuronosyltransferase 1-1 (UGT1A1); UGT1A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	26-533aa; Full Length of Mature Protein
Sequence	HAGKILLIPV DGSHWLSMLG AIQQLQQRGH EIVVLAPDAS LYIRDGAFYT LKTYPVPFQR EDVKESFVSL GHNVFENDSF LQRVIKTYKK IKKDSAMLLS GCSHLLHNKE LMASLAESSF DVMLTDPFLP CSPIVAQYLS LPTVFFLHAL PCSLEFEATQ CPNPFSYVPR PLSSHSDHMT FLQRVKNMLI AFSQNFLCDV VYSPYATLAS EFLQREVTQ DLLSSASVWL FRSDFKDYP RPIMPNMVFV GGINCLHQNP LSQEFEAYIN ASGEHGIVVF SLGSMVSEIP EKKAMAIADA LGKIPQTVLW RYTGTRPSNL ANNTILVKWL PQNDLLGHPM TRAFITHAGS HGVYESICNG VPMVMMPLFG DQMDNAKRME TKGAGVTLNV LEMTSEDLEN ALKAVINDKS YKENIMRLSS LHKDRPVEPL DLAVFWVEFV MRHKGAPHLR PAAHDLTWYQ YHSLDVIGFL LAVVLTVAFI TFKCCAYGYR KCLGKKGRVK KAHKSKTH
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

Recombinant Homo sapiens UDP-glucuronosyltransferase 1-1His-taggedE.Coli

ADDITIONAL INFORMATION

Related Product Information for UGT1A1 recombinant protein	This gene encodes a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway that transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into water-soluble, excretable metabolites. This gene is part of a complex locus that encodes several UDP-glucuronosyltransferases. The locus includes thirteen unique alternate first exons followed by four common exons. Four of the alternate first exons are considered pseudogenes. Each of the remaining nine 5 exons may be spliced to the four common exons, resulting in nine proteins with different N-termini and identical C-termini. Each first exon encodes the substrate binding site, and is regulated by its own promoter. The preferred substrate of this enzyme is bilirubin, although it also has moderate activity with simple phenols, flavones, and C18 steroids. Mutations in this gene result in Crigler-Najjar syndromes types I and II and in Gilbert syndrome.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8850236
NCBI GeneID	54658
NCBI Accession #	NP_000454.1
NCBI GenBank Nucleotide #	NM_000463.2
UniProt Accession #	P22309; A6NJC3; B8K286
Molecular Weight	59.1 kDa
NCBI Official Full Name	UDP-glucuronosyltransferase 1-1
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 1 member A1
NCBI Official Symbol	UGT1A1
NCBI Official Synonym Symbols	GNT1; UGT1; UDPGT; UGT1A; HUG-BR1; BILIQTL1; UDPGT 1-1
NCBI Protein Information	UDP-glucuronosyltransferase 1-1
UniProt Protein Name	UDP-glucuronosyltransferase 1-1
UniProt Gene Name	UGT1A1
UniProt Synonym Gene Names	GNT1; UGT1; UDPGT 1-1; UGT1*1; UGT1-01; UGT1.1; hUG-BR1; UGT-1A; UGT1A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.