Recombinant Human UGT1A4 Protein

Cat. No. UGT1A4-103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UGT1A4 protein without tag was expressed in insect cells.
Species	Human
Source	Insect cells
Description	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. This enzyme has some glucuronidase activity towards bilirubin, although is is more active on amines, steroids, and sapogenins.

GENE INFORMATION

Gene Name	UGT1A4 UDP glucuronosyltransferase family 1 member A4 [Homo sapiens (human)]
Official Symbol	UGT1A4

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Synonyms	UGT1A4; UDP glucuronosyltransferase family 1 member A4; GNT1; UGT1; UDPGT; UGT1A; UGT1D; UGT-1A; UGT-1D; UGT1.1; UGT1.4; UGT1A1; HUG-BR2; UGT1-01; UGT1-04; UGT1A4S; hUG-BR1; UDPGT 1-4; UDP-glucuronosyltransferase 1A4; Bilirubin-specific UDPGT isozyme 1; UDP glucuronosyltransferase 1 family, polypeptide A4; UDP glycosyltransferase 1 family, polypeptide A4; UDP-glucuronosyltransferase 1 family polypeptide A4s; UDP-glucuronosyltransferase 1-1; UDP-glucuronosyltransferase 1-4; UDP-glucuronosyltransferase 1-A; UDP-glucuronosyltransferase 1-D; UDP-glucuronosyltransferase 1A1; UDPGT 1-1; bilirubin UDP-glucuronosyltransferase isozyme 2; bilirubin-specific UDPGT isozyme 2
Gene ID	54657
mRNA Refseq	NM_007120
Protein Refseq	NP_009051
MIM	606429
UniProt ID	P22310

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