

Recombinant Human UGT1A6 Protein

Cat. No. UGT1A6-96H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human UGT1A6 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. The enzyme encoded by this gene is active on phenolic and planar compounds. Alternative splicing in the unique 5' end of this gene results in two transcript variants.

GENE INFORMATION

Gene Name UGT1A6 UDP glucuronosyltransferase family 1 member A6 [Homo sapiens (human)]

Official Symbol UGT1A6

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Synonyms

UGT1A6; UDP glucuronosyltransferase family 1 member A6; GNT1; UGT1; HLUGP;
 UDPGT; UGT1A; UGT1C; UGT1E; UGT1F; HLUGP1; UGT-1A; UGT-1C; UGT-1E;
 UGT1.1; UGT1.3; UGT1.5; UGT1A1; UGT1A3; UGT1A5; UGT1-01; UGT1-03; UGT1-
 05; UGT1A6S; hUG-BR1; UDPGT 1-6; UDP-glucuronosyltransferase 1-6; Bilirubin-
 specific UDPGT isozyme 1; UDP glucuronosyltransferase 1 family, polypeptide A6;
 UDP glycosyltransferase 1 family, polypeptide A6; UDP-glucuronosyltransferase 1
 family polypeptide A6s; UDP-glucuronosyltransferase 1-1; UDP-
 glucuronosyltransferase 1-3; UDP-glucuronosyltransferase 1-5; UDP-
 glucuronosyltransferase 1-A; UDP-glucuronosyltransferase 1-C; UDP-
 glucuronosyltransferase 1-E; UDP-glucuronosyltransferase 1-F; UDP-
 glucuronosyltransferase 1A1; UDP-glucuronosyltransferase 1A3; UDP-
 glucuronosyltransferase 1A5; UDP-glucuronosyltransferase 1A6; UDPGT 1-1;
 UDPGT 1-3; UDPGT 1-5; UGT-1FUGT1*6; UGT1-06; UGT1.6; phenol-metabolizing
 UDP-glucuronosyltransferase

Gene ID [54578](#)

mRNA Refseq [NM_001072](#)

Protein Refseq [NP_001063](#)

MIM [606431](#)

UniProt ID [P19224](#)

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