

Recombinant Human UGT1A7 Protein

Cat. No. UGT1A7-102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UGT1A7 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 has moderate glucuronidase activity with phenols.

GENE INFORMATION

Gene Name	UGT1A7 UDP glucuronosyltransferase family 1 member A7 [Homo sapiens (human)]
Official Symbol	UGT1A7
Synonyms	UGT1A7; UDP glucuronosyltransferase family 1 member A7; GNT1; UGT1; UDPGT;

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UGT1A; UGT1G; UGT-1A; UGT-1G; UGT1.1; UGT1.7; UGT1A1; UGT1-01; UGT1-07; hUG-BR1; UDPGT 1-7; UDP-glucuronosyltransferase 1-7; Bilirubin-specific UDPGT isozyme 1; UDP glucuronosyltransferase 1 family, polypeptide A7; UDP glycosyltransferase 1 family, polypeptide A7; UDP-glucuronosyltransferase 1 family polypeptide A7s; UDP-glucuronosyltransferase 1-1; UDP-glucuronosyltransferase 1-A; UDP-glucuronosyltransferase 1-G; UDP-glucuronosyltransferase 1A1; UDP-glucuronosyltransferase 1A7; UDPGT 1-1

Gene ID	54577
mRNA Refseq	NM_019077
Protein Refseq	NP_061950
MIM	606432
UniProt ID	Q9HAW7