

# Recombinant Human UGT1A7 Protein

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant human UGT1A7 protein without tag was expressed in insect cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Insect cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>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.</p> |

## GENE INFORMATION

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| <b>Gene Name</b>       | UGT1A7 UDP glucuronosyltransferase family 1 member A7 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | UGT1A7                                                                         |
| <b>Synonyms</b>        | 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        | <a href="#">54577</a>     |
| mRNA Refseq    | <a href="#">NM_019077</a> |
| Protein Refseq | <a href="#">NP_061950</a> |
| MIM            | <a href="#">606432</a>    |
| UniProt ID     | <a href="#">Q9HAW7</a>    |