

Recombinant Human UGT1A9 Protein, GST/His-tagged

Cat. No. UGT1A9-179H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human UGT1A9 fused with N-terminal GST and C-terminal His was expressed in E. coli.
Species	Human
Source	E.coli
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 phenols.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1% Sarkosyl.
Molecular Mass	85.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	UGT1A9 UDP glucuronosyltransferase 1 family, polypeptide A9 [Homo sapiens]
Official Symbol	UGT1A9
Synonyms	UGT1A9; UDP glucuronosyltransferase 1 family, polypeptide A9; UDP glycosyltransferase 1 family, polypeptide A9; UDP-glucuronosyltransferase 1-9; HLUGP4; LUGP4; UGT1A1; UDP-glucuronosyltransferase 1-I; UDP-glucuronosyltransferase 1A9; UDPGT; UGT1I; UGT-1I; UGT1-9; UGT1.9; UGT1-09; UDPGT 1-9;
Gene ID	54600
mRNA Refseq	NM_021027
Protein Refseq	NP_066307
MIM	606434
UniProt ID	O60656

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