

Recombinant Human UGT1A3 Protein, MYC/DDK-tagged

Cat. No. UGT1A3-512H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human UGT1A3 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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. Substrates of this enzyme include estrone, 2-hydroxyestrone, and metabolites of benzo alpha-pyrene. [provided by RefSeq, Jul 2008].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	57.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	UDP glucuronosyltransferase family 1 member A3[Homo sapiens]
Official Symbol	UGT1A3
Synonyms	UDPGT; UDPGT 1-3; UGT-1C; UGT1-03; UGT1.3; UGT1A3S; UGT1C
Gene ID	54659
mRNA Refseq	NM_019093.2
Protein Refseq	NP_061966.1
UniProt ID	606428

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