

## Recombinant Human UGT1A4, MYC/DDK-tagged

Cat. No. UGT1A4-38H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human UGT1A4, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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. This enzyme has some glucuronidase activity towards bilirubin, although is more active on amines, steroids, and sapogenins.
<b>Molecular Mass</b>	57 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	UGT1A4 UDP glucuronosyltransferase 1 family, polypeptide A4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	UGT1A4
<b>Synonyms</b>	UGT1A4; UDP glucuronosyltransferase 1 family, polypeptide A4; UDPGT; UGT1D; UGT-1D; UGT1.4; HUG-BR2; UGT1-04; UDPGT 1-4; UDP-glucuronosyltransferase 1-4; UDP glycosyltransferase 1 family, polypeptide A4; UDP-glucuronosyltransferase 1-D; UDP-glucuronosyltransferase 1A4; bilirubin UDP-glucuronosyltransferase isozyme 2; bilirubin-specific UDPGT isozyme 2; NP_009051.1; EC 2.4.1.17
<b>Gene ID</b>	<a href="#">54657</a>
<b>mRNA Refseq</b>	<a href="#">NM_007120</a>
<b>Protein Refseq</b>	<a href="#">NP_009051</a>
<b>MIM</b>	<a href="#">606429</a>
<b>UniProt ID</b>	P22310
<b>Chromosome Location</b>	2q37
<b>Pathway</b>	AhR pathway; Chemical carcinogenesis; Defective GSS causes Glutathione synthetase deficiency (GSS deficiency); Defective MAT1A causes Methionine adenosyltransferase deficiency (MATD)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Function**

enzyme binding; enzyme inhibitor activity; NOT glucuronosyltransferase activity;  
glucuronosyltransferase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA