

# Recombinant Full Length Human UGT1A6 Protein, GST-tagged

**Cat. No.** UGT1A6-540HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human UGT1A6(1 a.a. - 532 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	532 amino acids
<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. The enzyme encoded by this gene is active on phenolic and planar compounds. Alternative splicing in the unique 5 end of this gene results in two transcript variants.
<b>Molecular Mass</b>	87.1 kDa
<b>AA Sequence</b>	MACLLRSFQR ISAGVFFLAL WGMVVGDKLL VVPQDGSHWL SMKDIVEVLS DRGHEIVVVV PEVNLKLLKES KYSTRKIYPV PYDQEELKNR YQSFGNNHFA

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ERSFLTAPQT EYRNNMIVIG LYFINCQSLQ QDRDTLNFFK ESKFDALFTD  
 PALPCGVILA EYLGLPSVYL FRGFPCSLEH TFSRSPDPVS YIPRCYTKFS  
 DHMTFSQRVA NFLVNLEPY LFYCLFSKYE ELASAVLKRD VDIITLYQKV  
 SVWLLRYDFV LEYPRPVMPN MVFIGGINCK KRKDLSEFE AYINASGEHG  
 IVVFLGSMV SEIPEKKAMA TADALGKIPQ TVLWRYTGTR PSNLANTIL  
 VKWLPQNDLL GHPMTRAFIT HAGSHGVYES ICNGVPMVMM PLFGDQMDNA  
 KRMETKGAGV TLNVLEMTSE DLENALKAVI NDKSYKENIM RLSSLHKDRP  
 VEPLDLAVFW VEFVMRHKGA PHLRPAHDH TWYQYHSLDV IGFLAVVLT  
 VAFITFKCCA YGYRKCLGKK GRVKKAHKSK TH

**Applications** ELISA; WB-Re; AP; Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [UGT1A6 UDP glucuronosyltransferase 1 family, polypeptide A6 \[ Homo sapiens \]](#)

**Official Symbol** [UGT1A6](#)

**Synonyms** UGT1A6; UDP glucuronosyltransferase 1 family, polypeptide A6; UDP glycosyltransferase 1 family, polypeptide A6; UDP-glucuronosyltransferase 1-6; GNT1; HLUGP; UGT1F

**Gene ID** [54578](#)

**mRNA Refseq** [NM\\_001072](#)

**Protein Refseq** [NP\\_001063](#)

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<b>MIM</b>	606431
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<b>UniProt ID</b>	P19224
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