Recombinant Full Length Human UGT1A6 Protein, GST-tagged

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

SPECIFICATION

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

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	ERSFLTAPQT EYRNNMIVIG LYFINCQSLL QDRDTLNFFK ESKFDALFTD PALPCGVILA EYLGLPSVYL FRGFPCSLEH TFSRSPDPVS YIPRCYTKFS DHMTFSQRVA NFLVNLLEPY LFYCLFSKYE ELASAVLKRD VDIITLYQKV SVWLLRYDFV LEYPRPVMPN MVFIGGINCK KRKDLSQEFE AYINASGEHG IVVFSLGSMV SEIPEKKAMA TADALGKIPQ TVLWRYTGTR PSNLANNTIL VKWLPQNDLL GHPMTRAFIT HAGSHGVYES ICNGVPMVMM PLFGDQMDNA KRMETKGAGV TLNVLEMTSE DLENALKAVI NDKSYKENIM RLSSLHKDRP VEPLDLAVFW VEFVMRHKGA PHLRPAAHDL TWYQYHSLDV IGFLLAVVLT 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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MIM	606431
UniProt ID	P19224

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