

Recombinant Human UGT1A6 protein, MYC/DDK-tagged

Cat. No. UGT1A6-12H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human UGT1A6, transcript variant 2, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	<p>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.</p>
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	29.5 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 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; UGT-1F; UGT1*6; UGT1.6; UGT1-06; UDP-glucuronosyltransferase 1-F; UDP-glucuronosyltransferase 1A6; phenol-metabolizing UDP-glucuronosyltransferase; UDP-glucuronosyltransferase 1 family polypeptide A6s; UGT1; UDPGT; HLUGP1; UGT1A6S; UDPGT 1-6; MGC29860;

Gene ID 54578

mRNA Refseq NM_205862

Protein Refseq NP_995584

MIM 606431

UniProt ID P19224

Chromosome Location 2q37

Pathway Ascorbate and aldarate metabolism, organism-specific biosystem; Ascorbate and aldarate metabolism, conserved biosystem; Ascorbate biosynthesis, animals, glucose-1P => ascorbate, organism-specific biosystem; Ascorbate biosynthesis,

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animals, glucose-1P => ascorbate, conserved biosystem; Biological oxidations, organism-specific biosystem;

Function

enzyme binding; glucuronosyltransferase activity; protein heterodimerization activity; protein homodimerization activity; NOT retinoic acid binding;

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