

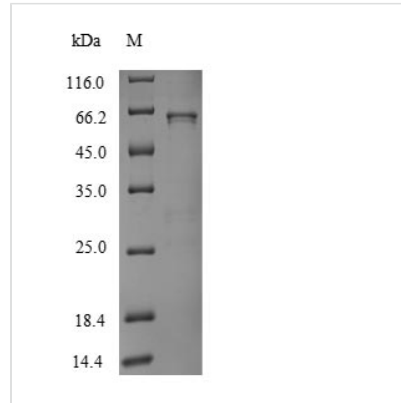


Recombinant Human UDP-glucuronosyltransferase 1A1 (UGT1A1)

Product Code	CSB-YP025570HU
Relevance	UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isoform glucuronidates bilirubin IX-alpha to form both the IX-alpha-C8 and IX-alpha-C12 monoconjugates and diconjugate. Is also able to catalyze the glucuronidation of 17beta-estradiol, 17alpha-ethinylestradiol, 1-hydroxypyrene, 4-methylumbelliferone, 1-naphthol, paranitrophenol, scopoletin, and umbelliferone. Isoform 2 lacks transferase activity but acts as a negative regulator of isoform 1.
Abbreviation	Recombinant Human UGT1A1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P22309
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	HAGKILLIPVDGSHWLSMLGAIQQLQQRGHEIVLAPDASLYIRDGAFYTLKTYP VPFQREDVKESFVSLGHNVFENDSFLQRVIKTYKKIKKDSAMLLSGCSHLLHNK ELMASLAESSFDVMLTDPFLPCSPIVAQYLSLPTVFFLHALPCSLEFEATQCPN PFSYVPRPLSSHSDHMTFLQRVKNMLIAFSQNFCDVVYSPYATLASEFLQRE VTVQDLLSSASVWLFRSDFVKDYPRPIMPNMVFGGINCLHQNPLSQEFEAYI NASGEHGIVVFSLGSMVSEIPEKKAMAIAADALGKIPQTVLWRYTGTRPSNLANN TILVKWLPQNDLLGHPMTRAFITHAGSHGVYESICNGVPMVMMPLFGDQMDN AKRMETKGAGVTLNVLEMTSEDLLENALKAVINDKSYKENIMRLSSLHKDRPVE PLDLAVFWVEFVMRHKGAPHLRPAAHDLTWYQYHSLDVIGFLLAVVLTVAFITF KCCAYGYRKCLGKKGRVKKAHKSKTH
Research Area	Metabolism
Source	Yeast
Target Names	UGT1A1
Protein Names	Recommended name: UDP-glucuronosyltransferase 1-1 Short name= UDPGT 1-1 Short name= UGT1*1 Short name= UGT1-01 Short name= UGT1.1 EC= 2.4.1.17Alternative name(s): Bilirubin-specific UDPGT isozyme 1 Short name= hUG
Expression Region	26-533aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



Tag Info	N-terminal 6xHis-tagged
Mol. Weight	59.1kDa
Protein Length	Full Length of Mature Protein

Image

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Shelf Life

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