

Recombinant Human UGT1A8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UGT1A8-2989H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UGT1A8 MS Standard C13 and N15-labeled recombinant protein (NP_061949) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 has glucuronidase activity with many substrates including coumarins, phenols, anthraquinones, flavones, and some opioids.
Molecular Mass	57.1 kDa
AA Sequence	MARTGWTSPILCVSLLLTCGFAEAGKLLVVPMDGSHWFTMQSVVEKLILRGHEVV VVMPEVSWQLGKSLNCTVKTYSTSYTLEDLDREFMDFADAQWKAQVRSLSLFLSS

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

SNGFFNLFFSHCRSLFNDRLVEYLKESSFDAVFLDPFDACGLIVAKYFSLPSVVFAR
 GIACHYLEEGAQCPAPLSYVPRILLGFSDAMTFKERVNRNHIMHLEEHLCQYFSKNA
 LEIASEILQTPVTAYDLYSHTSIWLLRTDFVLDYPKPVMPNMIFIGGINCHQGKPLPME
 FEAYINASGEHGIVVFSLGSMVSEIPEKKAMAIADALGKIPQTVLWRYTGTRPSNLAN
 NTILVKWLPQNDLLGHPMTRAFITHAGSHGVYESICNGVPMVMMPPLFGDQMDNAKR
 METKGAGVTNLNLEMTSEDLENALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVF
 WVEFVMRHKGAPHLRPAAHDLTWYQYHSLDVIGFLLAVVLTVAFITFKCCAYGYRKC
 LGKKGRVKKAHKSKTHTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [UGT1A8 UDP glucuronosyltransferase family 1 member A8 \[Homo sapiens \(human\) \]](#)

Official Symbol [UGT1A8](#)

Synonyms UGT1A8; UDP glucuronosyltransferase family 1 member A8; GNT1; UGT1; UDPGT; UGT1A; UGT1H; UGT-1A; UGT-1H; UGT1.1; UGT1.8; UGT1A1; UGT1-01; UGT1-08; UGT1A8S; hUG-BR1; UDPGT 1-8; UDP-glucuronosyltransferase 1A8; Bilirubin-specific UDPGT isozyme 1; UDP glucuronosyltransferase 1 family, polypeptide A8;

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

UDP glycosyltransferase 1 family, polypeptide A8; UDP-glucuronosyltransferase 1 family polypeptide A8s; UDP-glucuronosyltransferase 1-1; UDP-glucuronosyltransferase 1-8; UDP-glucuronosyltransferase 1-A; UDP-glucuronosyltransferase 1-H; UDP-glucuronosyltransferase 1A1; UDPGT 1-1; EC 2.4.1.17

Gene ID [54576](#)

mRNA Refseq [NM_019076](#)

Protein Refseq [NP_061949](#)

MIM [606433](#)

UniProt ID [Q9HAW9](#)

SDS-PAGE

