Recombinant Human UGT2B7, GST-tagged

Cat. No. UGT2B7-209H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UGT2B7(1 a.a. - 529 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the UDP-glycosyltransferase (UGT) family. UGTs serve a major role in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This protein is localized in the microsome membrane, and has unique specificity for 3,4-catechol estrogens and estriol, suggesting that it may play an important role in regulating the level and activity of these potent estrogen metabolites.
Molecular Mass	84.59 kDa
AA Sequence	MSVKWTSVILLIQLSFCFSSGNCGKVLVWAAEYSHWMNIKTILDELIQRGHEVTVLAS SASILFDPNNSSALKIE IYPTSLTKTELENFIMQQIKRWSDLPKDTFWLYFSQVQEIMS IFGDITRKFCKDVVSNKKFMKKVQESRFDVIFA DAIFPCSELLAELFNIPFVYSLSFSP GYTFEKHSGGFIFPPSYVPVVMSELTDQMTFMERVKNMIYVLYFDFWFE IFDMKKW DQFYSEVLGRPTTLSETMGKADVWLIRNSWNFQFPYPLLPNVDFVGGLHCKPAKPL PKEMEDFVQSSG ENGVVVFSLGSMVSNMTEERANVIASALAQIPQKVLWRFDGNK PDTLGLNTRLYKWIPQNDLLGHPKTRAFITHG GANGIYEAIYHGIPMVGIPLFADQPD NIAHMKARGAAVRVDFNTMSSTDLLNALKRVINDPSYKENVMKLSRIQH DQPVKPL

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

	DRAVFWIEFVMRHKGAKHLRVAAHDLTWFQYHSLDVIGFLLVCVATVIFIVTKCCLFC FWKFARKAKK GKND
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. 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	UGT2B7 UDP glucuronosyltransferase 2 family, polypeptide B7 [Homo sapiens (human)]
Official Symbol	UGT2B7
Synonyms	UGT2B7; UDP glucuronosyltransferase 2 family, polypeptide B7; UDP glycosyltransferase 2 family, polypeptide B7; UDP-glucuronosyltransferase 2B7; UGT2B9; 3 4 catechol estrogen specific; UDP glucuronosyltransferase 2 family polypeptide B7; UDP glucuronosyltransferase 2B7; UDP glucuronyltransferase family 2 beta 7; UDP glycosyltransferase 2 family polypeptide B7; UDPGT; UDPGTh 2; UDPGTh2; UGT2B9; UGTB2B9; UDPGTh-2; UDPGT 2B7; 3,4-catechol estrogen specific; UDP glucuronosyltransferase 2B7; UDP-glucuronosyltransferase 2B9; 3,4-catechol estrogen-specific UDPGT; UDP-glucuronyltransferase, family 2, beta-7; UDPGTH2; UDPGT2B7; UDPGT 2B9
Gene ID	7364
mRNA Refseq	NM_001074

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Protein Refseq	NP_001065
MIM	600068
UniProt ID	P16662
Chromosome Location	4q13
Pathway	Ascorbate and aldarate metabolism; Chemical carcinogenesis; Codeine and morphine metabolism
Function	glucuronosyltransferase activity; NOT retinoic acid binding

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