

Recombinant Human UGT2B7 Protein, His-tagged

Cat. No. UGT2B7-536H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human UGT2B7 Protein (Glu42-Ala419) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu42-Ala419
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. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.2 kDa Accurate Molecular Mass: 43 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.
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; 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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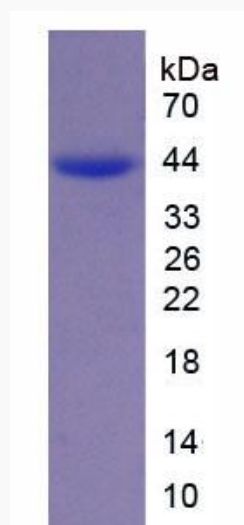
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Protein Refseq NP_001065

MIM 600068

UniProt ID P16662



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