

## Recombinant Human UGT2B7 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human UGT2B7 Protein (Glu42-Ala419) with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu42-Ala419
<b>Description</b>	<p>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 microsomal membrane, and has unique specificity for 3,4-catechol estrogens and estradiol, 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.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 43.2 kDa Accurate Molecular Mass: 43 kDa
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	UGT2B7 UDP glucuronosyltransferase 2 family, polypeptide B7 [ Homo sapiens (human) ]
<b>Official Symbol</b>	UGT2B7
<b>Synonyms</b>	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
<b>Gene ID</b>	7364
<b>mRNA Refseq</b>	NM_001074

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**Protein Refseq** NP\_001065

**MIM** 600068

**UniProt ID** P16662

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