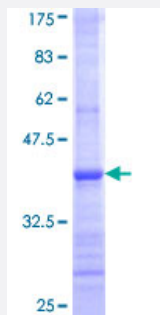


UGT2B7 (Human) Recombinant Protein (Q01)

Catalog # H00007364-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UGT2B7 partial ORF (NP_001065, 69 a.a. - 157 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SSALKIEYPTSLTKTELENFIMQQIKRWSDLPKDTFWLYFSQVQEIMSFGDITRKFCCKDVVSNKKF MKKVQESRFDVIFADAIIFPCS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.53
Interspecies Antigen Sequence	Mouse (42); Rat (44)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UGT2B7

Entrez GeneID	7364
GeneBank Accession#	NM_001074
Protein Accession#	NP_001065
Gene Name	UGT2B7
Gene Alias	UGT2B9
Gene Description	UDP glucuronosyltransferase 2 family, polypeptide B7
Omim ID	600068
Gene Ontology	Hyperlink
Gene Summary	The UGTs (EC 2.4.1.17) serve a major role in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. UGT2B7 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. Its subcellular location is the microsome.[supplied by OMIM]
Other Designations	UDP glycosyltransferase 2 family, polypeptide B7 UDP-glucuronosyltransferase 2B7 UDP-glucuronyltransferase, family 2, beta-7

Pathway

- [Androgen and estrogen metabolism](#)
- [Ascorbate and aldarate metabolism](#)
- [Drug metabolism - cytochrome P450](#)

- [Drug metabolism - other enzymes](#)
- [Metabolic pathways](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Pentose and glucuronate interconversions](#)
- [Porphyrin and chlorophyll metabolism](#)
- [Retinol metabolism](#)
- [Starch and sucrose metabolism](#)

Disease

- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [AIDS-Related Opportunistic Infections](#)
- [Anemia](#)
- [Apnea](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Confusion](#)
- [Diarrhea](#)
- [Duodenal Neoplasms](#)
- [Endometrial Neoplasms](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)

- [Heart Failure](#)
- [Hepatitis](#)
- [HIV Infections](#)
- [Kidney Failure](#)
- [Leukopenia](#)
- [Liver Neoplasms](#)
- [Lupus Nephritis](#)
- [Malaria](#)
- [Nausea](#)
- [Neoplasms](#)
- [Obesity](#)
- [Opioid-Related Disorders](#)
- [Ovarian Failure](#)
- [Pain](#)
- [Polycystic Ovary Syndrome](#)
- [Postoperative Nausea and Vomiting](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychometrics](#)
- [Psychomotor Performance](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Vasculitis](#)