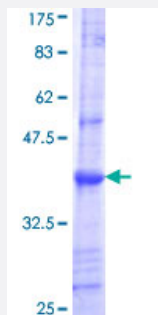


UGT1A10 (Human) Recombinant Protein (Q01)

Catalog # H00054575-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UGT1A10 partial ORF (NP_061948, 187 a.a. - 289 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LSYVPNDLLGFSDAMTFKERVWNHMHLEDHLFCQYLFRNALEIASEILQTPVTAYDLYSHTSWLLR TDFVLDYPKPVMPNMIFIGGINCHQGKPLPMEFEA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.07
Interspecies Antigen Sequence	Mouse (78); Rat (78)
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 — UGT1A10

Entrez GeneID [54575](#)

GeneBank Accession# [NM_019075](#)

Protein Accession# [NP_061948](#)

Gene Name UGT1A10

Gene Alias UDPGT, UGT1J

Gene Description UDP glucuronosyltransferase 1 family, polypeptide A10

Omim ID [606435](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 on mycophenolic acid, coumarins, and quinolines. [provided by RefSeq]

Other Designations OTTHUMP00000065196|UDP glycosyltransferase 1 family, polypeptide A10|UDP-glucuronosyltransferase 1A10

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

- [Adenomatous Polyposis Coli](#)
- [Breast cancer](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Diabetes Mellitus](#)
- [Duodenal Neoplasms](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)
- [Liver Neoplasms](#)
- [Mouth Neoplasms](#)

- [Neoplasms](#)
- [Tobacco Use Disorder](#)