UDP-Glucuronosyltransferase 2b11 (UGT2B11) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	UDP-glucuronosyltransferase 2B11 (UGT2B11), Recombinant Protein
Full Product Name	Recombinant Human UDP-glucuronosyltransferase 2B11 (UGT2B11)
Product Gene Name	UGT2B11 recombinant protein
Product Synonym Gene Name	UGT2B11
Product Synonym Names	Recombinant UDP-glucuronosyltransferase 2B11 (UGT2B11); UDP-glucuronosyltransferase 2B11; UDPGT 2B11 EC= 2.4.1.17
Sequence	SCGKVLVWAA EYSHWMNMKT ILKELVQRGH EVTVLASSAS ILFDPNDAST LKFEVYPTSL TKTEFENIIM QQVKRWSDIR KDSFWLYFSQ EQEILWELYD IFRNFCKDVV SNKKVMKKLQ ESRFDIVFAD AVFPCGELLA ALLNIRFVYS LRFTPGYTIE RHSGGLIFPP SYIPIVMSKL SDQMTFMERV KNMIYVLYFD FWFQMSDMKK WDQFYSEVLG RPTTLFETMG KADIWLMRNS WSFQFPHPFL PNVDFVGGFH CKPAKPLPKE MEEFVQSSGE NGVVVFSLGS VISNMTAERA NVIATALAKI PQKVLWRFDG NKPDALGLNT RLYKWIPQND LLGHPKTRAF ITHGGANGIY EAIYHGIPMV GIPLFFDQPD NIAHMKAKGA AVRLDFNTMS STDLLNALKT VINDPLYKEN IMKLSRIQHD QPVKPLDRAV FWIEFVMPHK GAKHLRVAAH DLTWFQYHSL DVIGFLLACV ATVIFIITKF CLFCFWKFAR KGKKGKRD
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	61,038 Da
Sequence Positions	22-529
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
Chromosome Location	Chromosome: 4; NC_000004.11 (70066035..70080449, complement). Location: 4q13.2
OMIM	603064
3D Structure	ModBase 3D Structure for O75310
Species	Homo sapiens (Human)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for UGT2B11 recombinant protein	MBS1208602 is a recombinant protein targeting UGT2B11. Also known as Recombinant Human UDP-glucuronosyltransferase 2B11 (UGT2B11). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of UGT2B11 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UGT2B11. It may not necessarily be applicable to this product.

NCBI GI #	4507823
NCBI GeneID	10720
NCBI Accession #	NP_001064.1
UniProt Primary Accession #	O75310
UniProt Secondary Accession #	Q3KNV9
UniProt Related Accession #	O75310
GenBank Nucleotide #	NM_001073.1
NCBI Official Full Name	UDP-glucuronosyltransferase 2B11
NCBI Official Synonym Full Names	UDP glucuronosyltransferase 2 family, polypeptide B11
NCBI Official Symbol	UGT2B11
UniProt Protein Name	UDP-glucuronosyltransferase 2B11
Protein Family	UDP-glucuronosyltransferase
UniProt Gene Name	UGT2B11
UniProt Synonym Gene Names	UDPGT 2B11
UniProt Entry Name	UDB11_HUMAN
NCBI Protein Information	UDP-glucuronosyltransferase 2B11; UDPGT 2B11; UDP glycosyltransferase 2 family protein; UDP glycosyltransferase 2 family, polypeptide B11
UniProt Comments for UGT2B11	UGT2B11: UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. Belongs to the UDP-glycosyltransferase family. Protein type: Xenobiotic Metabolism - drug metabolism - other enzymes; Transferase; Lipid Metabolism - androgen and estrogen; EC 2.4.1.17; Carbohydrate Metabolism - pentose and glucuronate interconversions; Membrane protein, integral; Cofactor and Vitamin Metabolism - retinol; Carbohydrate Metabolism - starch and sucrose; Carbohydrate Metabolism - ascorbate and aldarate; Xenobiotic Metabolism - metabolism by cytochrome P450; Cofactor and Vitamin Metabolism - porphyrin and chlorophyll; Xenobiotic Metabolism - drug metabolism - cytochrome P450 Chromosomal Location of Human Ortholog: 4q13.2 Cellular Component: endoplasmic reticulum membrane; intracellular membrane-bound organelle; integral to membrane Molecular Function: glucuronosyltransferase activity Biological Process: estrogen metabolic process; flavonoid biosynthetic process; xenobiotic metabolic process; cellular response to hormone stimulus
Research Articles on UGT2B11	**1.** significant expression of UGT2B11 was detected in the liver, breast and kidney, and was clearly different from the distribution of UGT2B28
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