UGT2B15 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	UGT2B15, Blocking Peptide
Full Product Name	UGT2B15 Peptide - N-terminal region
Product Gene Name	UGT2B15 blocking peptide
Product Synonym Gene Name	UGT2B8; HLUG4; UDPGTH3; UDPGT 2B8; UDPGT2B15
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	UGT2B15 peptide (MBS3231068) is used for blocking the activity of UGT2B15 antibody (MBS3206105)
Molecular Weight	61kDa
OMIM	600069
Product Categories/Family for UGT2B15 blocking peptide	Peptide
Applications Tested/Suitable for UGT2B15 blocking peptide	Western Blot (WB)
Related Product Information for UGT2B15 blocking peptide	This is a synthetic peptide designed for use in combination with anti-UGT2B15 antibody made Target Description: The UGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. UGT2B8 demonstrates reactivity with estriol. The UGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. UGT2B8 demonstrates reactivity with estriol. See UGT2B4 (MIM 600067).[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-1605 AF180322.1 1-1605 1606-1700 U06641.1 1547-1641 1701-1798 U08854.1 1684-1781 1799-1801 U06641.1 1779-1781 1802-1837 U06641.1 1783-1818 1838-1909 U08854.1 1822-1893 1910-2106 AF180322.1 1911-2107 2107-2144 U06641.1 2086-2123
Other Notes	Small volumes of UGT2B15 blocking peptide 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.
Searchable Terms for UGT2B15 purchase	MBS3231068 is a blocking peptide targeting UGT2B15. Also known as UGT2B15 Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UGT2B15. It may not necessarily be applicable to this product.

NCBI GI #	116517299
NCBI GeneID	7366
NCBI Accession #	NP_001067
UniProt Primary Accession #	P54855
UniProt Related Accession #	P54855
GenBank Nucleotide #	NM_001076

NCBI Official Full Name	UDP-glucuronosyltransferase 2B15
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 2 member B15
NCBI Official Symbol	UGT2B15
NCBI Official Synonym Symbols	HLUG4; UGT2B8; UDPGTH3; UDPGT 2B8; UDPGT2B15
UniProt Protein Name	UDP-glucuronosyltransferase 2B15
UniProt Synonym Protein Names	HLUG4; UDP-glucuronosyltransferase 2B8; UDPGT 2B8; UDPGTh-3
Protein Family	UDP-glucuronosyltransferase
UniProt Gene Name	UGT2B15
UniProt Synonym Gene Names	UGT2B8; UDPGT 2B15; UDPGT 2B8
UniProt Entry Name	UDB15_HUMAN
NCBI Protein Information	UDP-glucuronosyltransferase 2B15
NCBI Summary for UGT2B15	This gene encodes a glycosyltransferase that is invovled in the metabolism and elimination of toxic compounts, both endogenous and of xenobiotic origin. This gene plays a role in the regulation of estrogens and androgens. This locus is present in a cluster of similar genes and pseudogenes on chromosome 4. [provided by RefSeq, Aug 2016]
UniProt Comments for UGT2B15	UGT2B15: UDPGTs are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isozyme displays activity toward several classes of xenobiotic substrates, including simple phenolic compounds, 7-hydroxylated coumarins, flavonoids, anthraquinones, and certain drugs and their hydroxylated metabolites. It also catalyzes the glucuronidation of endogenous estrogens and androgens. Belongs to the UDP-glycosyltransferase family. Protein type: Transferase; EC 2.4.1.17; Xenobiotic Metabolism - drug metabolism - cytochrome P450; Carbohydrate Metabolism - ascorbate and aldarate; Carbohydrate Metabolism - pentose and glucuronate interconversions; Carbohydrate Metabolism - starch and sucrose; Xenobiotic Metabolism - drug metabolism - other enzymes; Cofactor and Vitamin Metabolism - porphyrin and chlorophyll; Lipid Metabolism - androgen and estrogen; Membrane protein, integral; Cofactor and Vitamin Metabolism - retinol; Xenobiotic Metabolism - metabolism by cytochrome P450 Chromosomal Location of Human Ortholog: 4q13 Cellular Component: endoplasmic reticulum membrane; intracellular membrane-bound organelle; integral to membrane Molecular Function: retinoic acid binding; glucuronosyltransferase activity Biological Process: steroid metabolic process; flavonoid biosynthetic process; xenobiotic metabolic process; cellular response to hormone stimulus
Research Articles on UGT2B15	**1.** High UGT2B15 expression is associated with the pathogenesis of gastric cancer.
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