

Product datasheet for TP317262L

UGT2A1 (NM_006798) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UDP glucuronosyltransferase 2 family, polypeptide A1 (UGT2A1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217262 representing NM_006798 Red=Cloning site Green=Tags(s)

MLNLLLLFSLQISLIGTTLGGNVLIWPMEGSHWLNVKIIDEIKKEHNVTVLVASGALFITPTSNPSLT
FEIYKVPFGKERIEGVIKDFVSTWLENRPSPTIWRFYQEMAKVIKDFHMVSQEICDGVLKNQQLMAKLLK
KSKFEVLVSDPVFPCGDIVALKLGIPIFMYSLRFSPASTVEKHCGKVPYPPSYVPAVLSLTDQMSFTDRI
RNFISYHLQDYMFETLWKSWSYSSKALGRPTTLCETMGKAEIWLIRTYWDFEFPRLPNFEFVGGGLHC
KPAKPLPKEMEEFIQSSGKNGVVVFLGSMVKNLTEEKANLIASALAQIPQKVLWRYKGGKPPATLGNNTQ
LFDWIPQNDLLGHPKTKAFITHGGTNGIYEAIYHGVPVMGVPMFADQPDNIAHMKAKGAAVEVNLNTMTS
VDLLSALRTVINEPSYKENAMRLSRIHHDQPVKPLDRAVFWIEFVMRHKGAKHLRVAHADLTFWFQYHSLD
VIGFLLVCVTTAIFLVIQCCLFSCQKFGKIGKKKKRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

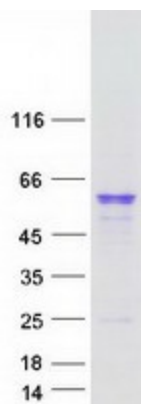
Tag:	C-Myc/DDK
Predicted MW:	59.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006789
Locus ID:	10941
UniProt ID:	Q9Y4X1
RefSeq Size:	1766
Cytogenetics:	4q13.3
RefSeq ORF:	1581
Synonyms:	UDPGT2A1
Summary:	The protein encoded by this gene belongs to the UDP-glycosyltransferase family, members of which catalyze biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase water solubility and enhance excretion. They are of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This enzyme is expressed in the olfactory neuroepithelium, which lines the posterior nasal cavity and is exposed to a wide range of odorants and airborne toxic compounds. Hence, this protein has been suggested to be involved in clearing lipophilic odorant molecules from the sensory epithelium. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. This gene shares exon structure with the UDP glucuronosyltransferase 2A2 family member, which encodes N-terminally distinct isoforms. [provided by RefSeq, Jul 2014]
Protein Families:	Transmembrane
Protein Pathways:	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

Product images:



Coomassie blue staining of purified UGT2A1 protein (Cat# [TP317262]). The protein was produced from HEK293T cells transfected with UGT2A1 cDNA clone (Cat# [RC217262]) using MegaTran 2.0 (Cat# [TT210002]).