

Product Information

MemDX™ Membrane Protein Human UGT1A6 (UDP glucuronosyltransferase family 1 member A6)

Cat. No.: **MP0299J**

This product is for research use only and is not intended for diagnostic use.

This product is a 29.5 kDa Human UGT1A6 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

UGT1A6

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

29.5 kDa

TMD

1

Sequence

MACLLRSFQRISAGVFFLALWGMVVGDKLLVVPQDGSHWLSMKDIVEVLSDRGHEIVVVVPEVNLLLKES
KYYTRKIYPVPYDQEELKNRYQSFGNNHFAERSFLTAPQTEYRNNMIVIGLYFINCQSLLQDRDTLNFFK
ESKFDALFTDPALPCGVILAELYGLPSVYLFRGFPCSLEHTFSRSPDPVSYIPRCYTKFSDHMTFSQRVA
NFLVNLLEPYLFYCLFSKYEEELASAVLKRDVDIITLYQKVSVWLLRYDFVLEYPRPVMPNMVFIGGINCK
KRKDLSQEFEAYINASGEHGVVFSLGSMVSEIPEKKAMATADALGKIPQTVLWRYTGTRPSNLANTIL
VKWLPQNNDLLGHPMTRAFITHAGSHGVYESICNGVPMVMMPLFGDQMDNAKRMETKGAGVTNVLEMTSE
DLENALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVFWVEFMRHKGAPHLRPAAHDLTWYQYHSLDV
IGFLLAVVLTVAFITFKCCAYGYRKCLGKKGRVKKAHKSKTH

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

UGT1A6

Full Name

UDP glucuronosyltransferase family 1 member A6

Introduction

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 is active on phenolic and planar compounds. Alternative splicing in the unique 5' end of this gene results in two transcript variants.

Alternative Names

GN1; HLUGP; HLUGP1; hUG-BR1; UDPGT; UDPGT 1-6; UGT-1A; UGT-1C; UGT-1E; UGT1; UGT1-01; UGT1-03; UGT1-05; UGT1.1; UGT1.3; UGT1.5; UGT1A; UGT1A1; UGT1A3; UGT1A5; UGT1A6S; UGT1C; UGT1E; UGT1F

Gene ID

[54578](#)

UniProt ID

[P19224](#)