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Product Information

MemDX™ Membrane Protein Human UGT1A3 (UDP glucuronosyltransferase family 1 member A3)

Cat. No.: **MP0229J**
This product is for research use only and is not intended for diagnostic use.

This product is a 57.3 kDa Human UGT1A3 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
UGT1A3

Protein Length
Full-length

Protein Class
Transmembrane

Molecular Weight
57.3 kDa

TMD
1

Sequence
MATGLQVPLPWLATGLLLLLSVQPWAESGKVLVVPIDGSHWLSMREVLRELHARGHQAVVLTPEVNMHIK
EENFFTLTTYAISWTQDEFDRHVLGHTQLYFETEHFLKKFFRSMAMLNNMSLVYHRSCVELLHNEALIRH
LNATSFDVVLTDPVNLCAAVLAKYLSIPTVFFLRNIPCDLDFKGTQCPNPSSYIPRLLTTNSDHMTFMQR
VKNMLYPLALSYICHAFSAPYASLASELFQREVSVVDILSHASVWLFRGDFVMDYPRPIMPNMVFIGGIN
CANRKPLSQEFEAYINASGEHGIVVFSLGSMVSEIPEKKAMAIADALGKIPQTVLWRYTGTRPSNLANNT
ILVKWLPQNDLLGHPMTRAFITHAGSHGVYESICNGVPMVMMPLFGDQMDNAKRMETKGAGVTLNVLEMT
SEDLENALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVFWVEFVMRHKGAPHLRPAAHDLTWYQYHSL
DVIGFLLAVVLTVAFITFKCCAYGYRKCLGKKGRVKKAHKSKTH

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

UGT1A3

Full Name

UDP glucuronosyltransferase family 1 member A3

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. Substrates of this enzyme include estrone, 2-hydroxyestrone, and metabolites of benzo alpha-pyrene.

Alternative Names

UDPGT; UGT1C; UGT-1C; UGT1.3; UGT1-03; UGT1A3S; UDPGT 1-3; UDP glycosyltransferase 1 family, polypeptide A3; UDP glycosyltransferase 1 family, polypeptide A3; UDP-glucuronosyltransferase 1 family polypeptide A3s

Gene ID

54659

UniProt ID

P35503

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