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Product Information

MemDX™ Membrane Protein Human UGT1A8 (UDP glucuronosyltransferase family 1 member A8) Full Length

Cat. No.: **MPC4428K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human UGT1A8 membrane protein expressed in HEK293. 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
UGT1A8

Protein Length
Full length

Protein Class
Transferase

TMD
1

Sequence
MARTGWTSPIPLCVSLLLTCGFAEAGKLLVVPMDGSHWFTMQSVVEKLIL
RGHEVVVVMPEVSWQLGKSLNCTVKTYSTSYTLEDLDREFMDFADAQWKA
QVRSLFSLFLSSSNGFFNLFFSHCRSLFNDRKLVEYLKESSFDAVFLDPF
DACGLIVAKYFSLPSVVFARGIACHYLEEGAQCPAPLSYVPRILLGFSDA
MTFKERVRNHIMHLEEHLFCQYFSKNALEIASEILQTPVTAYDLYSHTSI
WLLRTDFVLDYPKPVMPNMIFIGGINCHQGKPLPMEFEAYINASGEHGIV
VFSLGSMVSEIPEKKAMAIADALGKIPQTVLWRYTGTRPSNLANNTILVK
WLPQNDLLGHPMTRAFITHAGSHGVYESICNGVPMVMMPLFGDQMDNAKR
METKGAGVTLNVLEMTSEDLENALKAVINDKSYKENIMRLSSLHKDRPVE
PLDLAVFWVEFVMRHKGAPHLRPAAHDLTWYQYHSLDVIGFLLAVVLTVA
FITFKCCAYGYRKCLGKKGRVKKAHKSKTH

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

UGT1A8

Full Name

UDP glucuronosyltransferase family 1 member A8

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 has glucuronidase activity with many substrates including coumarins, phenols, anthraquinones, flavones, and some opioids.

Alternative Names

UGT1A8; GNT1; UGT1; UDPGT; UGT1A; UGT1H; UGT-1A; UGT-1H; UGT1.1; UGT1.8; UGT1A1; UGT1-01; UGT1-08; UGT1A8S; hUG-BR1; UDPGT 1-1; UDPGT 1-8; UDP-glucuronosyltransferase 1A8; Bilirubin-specific UDPGT isozyme 1; UDP glucuronosyltransferase 1 family, polypeptide A8; UDP glycosyltransferase 1 family, polypeptide A8; UDP-glucuronosyltransferase 1 family polypeptide A8s; UDP-glucuronosyltransferase 1-1; UDP-glucuronosyltransferase 1-8; UDP-glucuronosyltransferase 1-A; UDP-glucuronosyltransferase 1-H; UDP-glucuronosyltransferase 1A1; UDP glucuronosyltransferase family 1 member A8

Gene ID

54576

UniProt ID

Q5DSZ6

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