

Recombinant Human UGT1A9 Protein, 6×His tagged

Cat. No. UGT1A9-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UGT1A9 Protein with 6×His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-487 a.a.
Description	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 phenols.
Molecular Mass	The protein has a calculated MW of 53 kDa.
AA Sequence	MGKLLVVPMDGSHWFTMRSVVEKLILRGHEVVVVMPESWQLGRSLNCTVKTYST SYTLEDLDREFKAFHAHQWKAQVRSIYSLLMGSYNDIFDLFFSNCRSLFKDKKLVEY LKESSFDAVFLDPFDNCGLIVAKYFSLPSVVFARGILCHYLEEGAQCPAPLSYVPRILL GFSDAMTFKERVNRNHIMHLEEHLCHRRFFKNALEIASEILQTPVTEYDLYSHTSIWLL

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RTDFVLDYPKPVMNMFIFGGINCHQGKPLPMEFEAYINASGEHGIVVFSLGSMVSEI
PEKKAMAIADALGKIPQTVLWRYTGTRPSNLANTILVKWLPQNDLLGHPMTRAFITH
AGSHGVYESICNGVPMVMMPLFGDQMDNAKRMETKGAGVTLNVLEMTSEDLENAL
KAVINDKSYKENIMRLSSLHKDRPVEPLDLAVFWVEFVMRHKGAPHLRPAHDLTW
YQYHSLDHHHHHH

Purity > 90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer 20 mM Tris, 200 mM NaCl, pH 8.0

GENE INFORMATION

Gene Name UGT1A9 UDP glucuronosyltransferase family 1 member A9 [Homo sapiens (human)]

Official Symbol UGT1A9

Synonyms UGT1A9; UDP glucuronosyltransferase family 1 member A9; LUGP4; UDPGT; UGT1I; HLUGP4; UGT-1I; UGT1-9; UGT1.9; UGT1AI; UGT1-09; UGT1A9S; UDPGT 1-9; UDP-glucuronosyltransferase 1A9; UDP glucuronosyltransferase 1 family, polypeptide A9; UDP glycosyltransferase 1 family, polypeptide A9; UDP-glucuronosyltransferase 1 family polypeptide A9s; UDP-glucuronosyltransferase 1-9; UDP-glucuronosyltransferase 1-I; EC 2.4.1.17

Gene ID 54600

mRNA Refseq NM_021027

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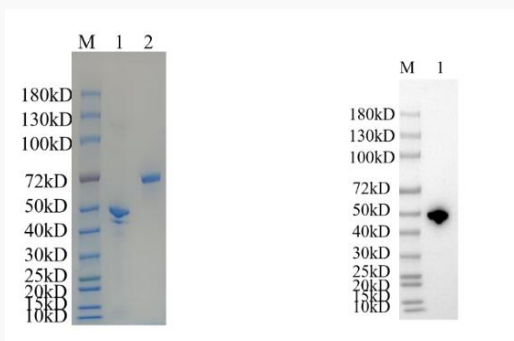
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Protein Refseq NP_066307

MIM 606434

UniProt ID P36509

**Reducing 12% SDS-
PAGE and WB
analysis profile of
purified UGT1A9.**



1. UGT1A9
2. BSA

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