

# Recombinant Full Length Mouse Udp-Glucuronosyltransferase 1-9(Ugt1A9) Protein, His-Tagged

**Cat. No.** RFL12645MF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Recombinant Full Length Mouse UDP-glucuronosyltransferase 1-9(Ugt1a9) Protein (Q62452) (24-528aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Full Length of Mature Protein (24-528)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | GRLLVVPMDGSHWFTMQMVVEKLIHRGHEVVVVIPEVSWQLGKSLNCTVKTYSISH<br>TLED LDREFKYLSYTQWKTPEHSIRSFLTGSARGFFELTFSHCRSLFNDKKLVEYLK<br>QRFFDAV FLDPFDCGLIVAKYFSLPSVIFARGVFCDYLEEGAQCPSLPSYVPRLFS<br>KYTDTMTFKE RVWNHLIYIEEHAFCSYFLRTAVEVASEILQTPVTMTDLFSPVSIWLL<br>RTDFVLEFPRPV MPNMVFIGGINCLQKKSLSKEFEAYVNASGEHGIVVFSLGSMVSE<br>IPEKKAMEIAEALGR IPQTVLWRYTGTRPSNLAKNTILVKWLPQNDLLGHPKTRAFIT<br>HSGSHGIYEGICNGVPM VMMPFLFGDQMDNAKRMETRGAGVTNLNVLEMTADDLEN<br>ALKTVINNKSYPENIMRLSSLHK DRPIEPLDLAVFWVEYVMRHKGAPHLRPAAHDLT<br>WYQYHSLDVIGFLLAIVLTVVFIVFK CCAYGCRKCFGGKGRVKKSHKSKTH |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|                         | for up to one week.                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b>   | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | Ugt1a9                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>         | Ugt1a9; Ugt1; Ugt1a12; UDP-glucuronosyltransferase 1A9; UGT1A9; UDP-glucuronosyltransferase 1-7; UDPGT; UDP-glucuronosyltransferase 1-9; UDPGT 1-9; UGT1*9; UGT1-09; UGT1.9; UGT1A12; UGTP4                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | <a href="#">Q62452</a>                                                                                                                                                                                                                                                                                                                                                                                      |