

Recombinant Human UGT1A1 Protein Product Manual

1. Product Basic Information

Product No.: REP08599

Protein Name: Udpgt 1-Udp-Glucuronosyltransferase 1A (UGT1A1)

Aliases: GNT1; UGT1; UDPGT; UGT1A; UGT-1A; UGT1*UGT1.HUG-BR1; UGT1-01; BILIQTL1; UDPGT 1-UDP-glucuronosyltransferase 1A

UniProt ID: P22309

UniProt Link: <https://www.uniprot.org/uniprotkb/P22309/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Full Length of Mature Protein (26-533aa)

Molecular Weight: 59.1kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (26-533aa)

HAGKILLIPVDGSHWLSMLGAIQQLQQRGHEIVVLAPDASLYIRDGAFYTLKTYPVPF
QREDVKESFVSLGHNVFENDSFLQRVIKTYKKIKKDSAMLLSGCSHLLHNKELMASL
AESSFDVMLTDPFLPCSPIVAQYLSLPTVFFLHALPCSLEFEATQCPNPFSSYVPRPLS
SHSDHMTFLQRVKNMLIAFSQNFLCDVVYSPYATLASEFLQREVTVQDLLSSASVW
LFRSDFVKDYPRPIMPNMVFGGINCLHQNPLSQEFEAYINASGEHGIVVFSLGSMV
SEIPEKKAMAADALGKIPQTVLWRYTGTRPSNLANTILVKWLPQNDLLGHPMTRA
FITHAGSHGVYESICNGVPMVMMPLFGDQMDNAKRMETKGAGVTLNVLEMTSEDL
ENALKAVINDKSYKENIMRLSSLHKDRPVEPLDLAVFWVEFVMRHKGAPHLRPAAH
DLTWYQYHSLDVIGFLLAVVLTVAFITFKCCAYGYRKCLGKKGRVKKAHKSKTH

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human UGT1A1 full length of mature protein protein (26-533aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. UGT1A1, also known as GNT1 or UGT1 or UDPGT, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.