

## Product datasheet for **AR51235PU-N**

### UGT8 / UGT4 (21-541, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	UGT8 / UGT4 (21-541, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSAKIIVP PIMFESHMYI FKTLASALHE RGHHTVFLLS EGRDIAPSNH YSLQRYPGIF NSTTSDAFLQ SKMRNIFSGR LTAIELFDIL DHYTKNCDLM VGNHALIQGL KKEKFDLLV DPNDMCGFVI AHLLGVKYAV FSTGLWYPAE VGAPAPLAYV PEFNSLLTDR MNLLQRMKNT GYVLISRLGV SFLVLPKYER IMQKYNLLPE KSMYDLVHGS SLWMLCTDVA LEFPRPTLPN VVYVGGILTK PASPLPEDLQ RWVNGANEHG FVLVSFGAGV KYLSEDIANK LAGALGRLPQ KVIWRFSGPK PKNLGNNTKL IEWLPQNDLL GHSKIKAFLS HGGLNSIFET MYHGVPVVG I PLFGDHYDTM TRVQAKGMGI LLEWKTVTEK ELYEALVKVI NNPSYRQRAQ KLSEIHKDQP GHPVNRTIYW IDYIIRHNGA HHLRAAVHQI SFCQYFLLDI AFVLLLGAAL LYFLLSWVTK FIYRKIKSLW SRNKHSTVNG HYHNGILNGK YKRNGHIKHE KKVK
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	61.6 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M Urea
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human UGT8 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001121646</a>
<b>Locus ID:</b>	7368
<b>UniProt ID:</b>	<a href="#">Q16880</a>



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Cytogenetics: 4q26

Synonyms: CGT; UGT4

**Summary:** The protein encoded by this gene belongs to the UDP-glycosyltransferase family. It catalyzes the transfer of galactose to ceramide, a key enzymatic step in the biosynthesis of galactocerebrosides, which are abundant sphingolipids of the myelin membrane of the central and peripheral nervous systems. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2011]

**Protein Families:** Transmembrane

**Protein Pathways:** Metabolic pathways, Sphingolipid metabolism

### Product images:

