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32-2910: UGT8 Recombinant Protein

Alternative Name :	UDP Glycosyltransferase 8,CGT,UDP-Galactose Ceramide Galactosyltransferase,2-Hydroxyacylsphingosine 1-Beta-Galactosyltransferase,Ceramide UDP-Galactosyltransferase,Cerebroside Synthase, UGT4,UDP-Galactose-Ceramide Galactosyltransferase,Uridine

Description

Source : Escherichia Coli. UGT8 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 544 amino acids (21-541 a.a) and having a molecular mass of 61.6kDa.UGT8 is fused to a 23 amino acid His-tag at N-terminus. UDP Glycosyltransferase 8 (UGT8) is a member of the UDP-glycosyltransferase family. UGT8 catalyzes the transfer of galactose to ceramide, a crucial enzymatic step in the biosynthesis of galactocerebrosides, which are abundant sphingolipids of the myelin membrane of the central nervous system and peripheral nervous system.

Product Info

Amount :	20 µg
Purification :	"Greater than 85% as determined by SDS-PAGE."
Content :	UGT8 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSAKIIIVP PIMFESHMYI FKTLASALHE RGHHTVFLLS EGRDIAPSNH YSLQRYPGIF NSTTSDAFLQ SKMRNIFSGR LTAIELFDIL DHYTKNCDLM VGNHALIQGL KKEKFDLLLV DPNDMCGFVI AHLLGVKYAV FSTGLWYPAE VGAPAPLAYV PEFNSLLTDR MNLLQRMKNT GVYLISRLGV SFLVLPKYER IMQKYNLLPE KSMYDLVHGS SLWMLCTDVA LEFPRPTLPN VVYVGGILTK PASPLPEDLQ RWVNGANEHG FVLVSFGAGV KYLSEDIANK LAGALGRLPQ KVIWRFSGPK PKNLGNNTKL IEWLPQNDLL GHSKIKAFLS HGGLNSIFET MYHGVPVVGI PLFGDHYDTM TRVQAKGMGI LLEWKTVTEK ELYEALVKVI NNPSYRQRAQ KLSEIHKDQP GHPVNRTIYW IDYIIRHNGA HHLRAAVHQI SFCQYFLLDI AFVLLLGAAL LYFLLSWVTK FIYRKIKSLW SRNKHSTVNG HYHNGILNGK YKRNGHIKHE KKVK.

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