

UGT8, 21-541aa, Human, His tag, E.coli

Cat.NO.: TP04423

3th Edition

Synonyms:UDP glycosyltransferase 8, CGT, UGT4

Description:UDP glycosyltransferase 8, also known as UGT8, 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 nervous system and peripheral nervous system. Recombinant human UGT8 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:61.6 kDa (544aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSAKIIIVPPIMFESHMYIFKTLASALHERGHHTVFLLSEGRDIAPSNHYSLQRYP
GIFNSTTSDAFLQSKMRNIFSGRLTAIELFDILDHYTKNCDLMVGNHALIQGLKKEKFDLLLVDPNMCGFVIAHLLGV
KYAVFSTGLWYPAEVGAPAPLAYVPEFNLLTDRMNLQRMKNTGVYLISRLGVSFLVLPKYERIMQKYNLLPEKSM
YDLVHGSSLWMLCTDVALEFPRPTLPNVVYVGGILTKPASPLPEDLQRWVNGANEHGFVLVSFGAGVKYLSEDIAN
KLAGALGRLPQKVIWRFSGPKPKNLGNNTKLIWLPQNDLLGHSKIKAFLSHGGLNSIFETMYHGVPVVGIPFGDH
YDTMTRVQAKGMGILLEWKTVTEKELYEALVKVINNPSYRQRAQKLSEIHKDQPGHPVNRITYWIDYIIRHNGAHL
RAAVHQISFCQYFLLDIAFVLLLGAALLYFLLSWVTKFIYRKIKSLWSRNKHSTVNGHYHNGILNGKYKRNGHIKHEKK
VK

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.