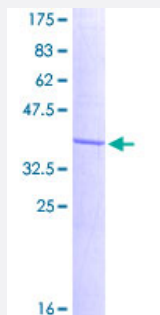


UGT8 (Human) Recombinant Protein (Q01)

Catalog # H00007368-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UGT8 partial ORF (NP_003351, 31 a.a. - 140 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FESHMYFKTLASALHERGHHTVFLLEGRDIAPSNHYSLQRYPGIFNSTTSDAFLQSKMRNIFSGRLTAIELFDILDHYTKNCDLMVGNHALIQGLKKEKFDLLLVDPN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UGT8

Entrez GeneID [7368](#)

GeneBank Accession# [NM_003360](#)

Protein Accession# [NP_003351](#)

Gene Name UGT8

Gene Alias CGT

Gene Description UDP glycosyltransferase 8

Omim ID [601291](#)

Gene Ontology [Hyperlink](#)

Gene Summary Galactocerebrosides are abundant sphingolipids of the myelin membrane of the central nervous system and peripheral nervous system and are also present in small amounts in kidney. The key enzymatic step in the biosynthesis of galactocerebrosides consists of the transfer of galactose to ceramide catalyzed by UDP-galactose ceramide galactosyltransferase (CGT, EC 2.4.1.45). The enzyme encoded by the CGT gene is the first involved in complex lipid biosynthesis in the myelinating oligodendrocyte.[supplied by OMIM]

Other Designations UDP glycosyltransferase 8 (UDP-galactose ceramide galactosyltransferase)|UDP-galactose ceramide galactosyltransferase

Pathway

- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Alcoholism](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Kidney Failure](#)