

Recombinant Human GAL3ST1 protein, His & GST-tagged

Cat. No. GAL3ST1-1615H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GAL3ST1 aa. (Leu57~Phe196 (Accession # Q99999)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu57~Phe196
Description	Sulfonation, an important step in the metabolism of many drugs, xenobiotics, hormones, and neurotransmitters, is catalyzed by sulfotransferases. This gene encodes galactosylceramide sulfotransferase, which catalyzes the sulfation of membrane glycolipids including the final step in the synthesis of sulfatide, a major lipid component of the myelin sheath. This gene exhibits elevated expression in ovarian epithelial carcinoma and the encoded enzyme exhibits elevated activity in renal cell carcinoma. Mutations in this gene may be associated with reduced insulin resistance. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	8.1

GENE INFORMATION

Gene Name	GAL3ST1 galactose-3-O-sulfotransferase 1 [Homo sapiens (human)]
Official Symbol	GAL3ST1
Synonyms	GAL3ST1; galactose-3-O-sulfotransferase 1; CST; galactosylceramide sulfotransferase; 3'-phosphoadenosine-5'-phosphosulfate:GalCer sulfotransferase; cerebroside (3'-phosphoadenylylsulfate:galactosylceramide 3') sulfotransferase
Gene ID	9514
mRNA Refseq	NM_001318103.1
Protein Refseq	NP_001305032.1

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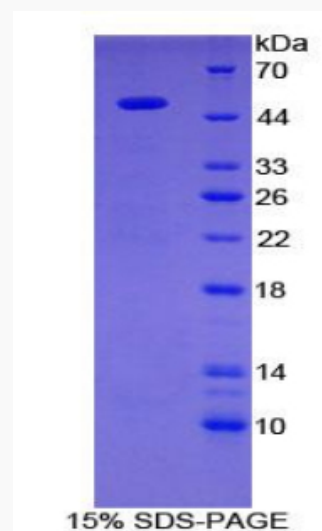
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UniProt ID

Q99999

SDS-PAGE

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