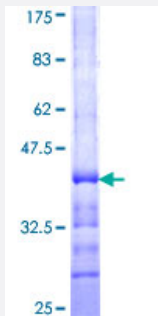


GAL3ST1 (Human) Recombinant Protein (Q01)

Catalog # H00009514-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GAL3ST1 partial ORF (NP_004852, 324 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RERMAREVAALRHANERMRTICIDGGHAVDAAAIQDEAMQPWQPLGTSILGYNLKKSIGQRHAQ LCRRMLTPEIQYLMDLGANLWVTKLWKFIRDFLRW
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (84); Rat (84)
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 — GAL3ST1

Entrez GeneID	9514
GeneBank Accession#	NM_004861
Protein Accession#	NP_004852
Gene Name	GAL3ST1
Gene Alias	CST
Gene Description	galactose-3-O-sulfotransferase 1
Omim ID	602300
Gene Ontology	Hyperlink
Gene Summary	Sulfonation, an important step in the metabolism of many drugs, xenobiotics, hormones, and neurotransmitters, is catalyzed by sulfotransferases. The product of this gene is galactosylceramide sulfotransferase which catalyzes the conversion between 3'-phosphoadenylylsulfate + a galactosylceramide to adenosine 3',5'-bisphosphate + galactosylceramide sulfate. Activity of this sulfotransferase is enhanced in renal cell carcinoma. [provided by RefSeq]
Other Designations	GalCer sulfotransferase cerebroside (3'-phosphoadenylylsulfate:galactosylceramide 3') sulfotransferase

Pathway

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