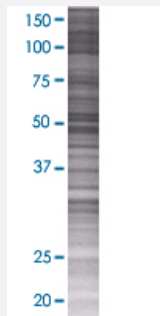


# GAL3ST1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00009514-T01

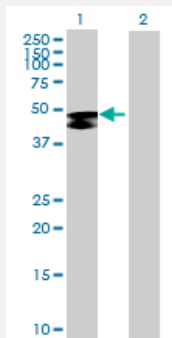
Size 100 uL

## Applications



### SDS-PAGE Gel

GAL3ST1 transfected lysate.



### Western Blot

Lane 1: GAL3ST1 transfected lysate ( 46.64 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-GAL3ST1 full-length
Host	Human
Theoretical MW (kDa)	46.64
Interspecies Antigen Sequence	Mouse (84); Rat (84)

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GAL3ST1 antibody ([H00009514-B01](#)) by Western Blots.  
 SDS-PAGE Gel  
 GAL3ST1 transfected lysate.  
 Western Blot  
 Lane 1: GAL3ST1 transfected lysate ( 46.64 KDa)  
 Lane 2: Non-transfected lysate.

## Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

## Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot

## Gene Info — GAL3ST1

### Entrez GeneID

[9514](#)

### GeneBank Accession#

[BC014649.1](#)

### Protein Accession#

[AAH14649.1](#)

### 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](#)