

Recombinant Full Length Human GAL3ST1 Protein, GST-tagged

Cat. No. GAL3ST1-5219HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GAL3ST1 full-length ORF (AAH14649.1, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	423 amino acids
Description	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
Molecular Mass	75.2 kDa
AA Sequence	MLPPQKKPWESMAKGLVLGALFTSFLLLMYSYAVPPLHAGLASTTPEAAASCSPPAL EPEAVIRANGSAGECQPRRNIVFLKTHKTASSTLLNILFRFGQKHRLKFAFPNGRNDF DYPTFFARSLVQDYRPGACFNIICNHMRPHYDEVRLVPTNAIFITVLRDPARLFESS FHYFGPVVPLTWKLSAGDKLTEFLQDPDRYYDPNGFNHYLRNLLFFDLGYDNSLD PSSPQVQEHILEVERRFHLVLLQEYFDESLVLLKDLLCWELEDVLYFKLNARRDSPV PRLSGELYGRATAWNMLDSHLYRHFNASFWRKVEAFGRERMAREVAALRHANER

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	MRTICIDGGHAVDAAAIQDEAMQPWQPLGTKSILGYNLKKSIGQRHAQLCRRMLTPE IQYLMDLGANLWVTKLWKFIRDFLRW
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GAL3ST1 galactose-3-O-sulfotransferase 1 [Homo sapiens]
Official Symbol	GAL3ST1
Synonyms	GAL3ST1; galactose-3-O-sulfotransferase 1; galactosylceramide sulfotransferase; cerebroside (3 phosphoadenylylsulfate:galactosylceramide 3) sulfotransferase; CST; GalCer sulfotransferase; cerebroside sulfotransferase; 3-phosphoadenosine-5-phosphosulfate:GalCer sulfotransferase; 3-phosphoadenylylsulfate:galactosylceramide 3-sulfotransferase; cerebroside (3-phosphoadenylylsulfate:galactosylceramide 3) sulfotransferase;
Gene ID	9514
mRNA Refseq	NM_004861

Protein Refseq	NP_004852
MIM	602300
UniProt ID	Q99999

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