Recombinant Human GAL3ST1 293 Cell Lysate

Cat. No. GAL3ST1-6046HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for galactose-3-O-sulfotransferase 1 (GAL3ST1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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
Chromosome Location	22q12.2
Pathway	Cerebroside and sulfatide biosynthesis, organism-specific biosystem; Cerebroside

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	and sulfatide biosynthesis, conserved biosystem; Glycosphingolipid metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem;
Function	galactosylceramide sulfotransferase activity; sulfotransferase activity; transferase activity;

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