Recombinant Human ST6GAL1 cell lysate

Cat. No. ST6GAL1-1919HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ST6GAL1 / SIAT1 derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer.Browse all transfected cell lysate positive controls
Species	Human
Source	Human Cells
Preparation method	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis buffer	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Quality control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Recommended Usage	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200μL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add

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	reducing agent prior to heating.
Stability	Samples are stable for up to twelve months from date of receipt at -80°C
Storage Buffer	50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF
Storage Instruction	Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	ST6GAL1 ST6 beta-galactosamide alpha-2,6-sialyltranferase 1 [Homo sapiens]
Official Symbol	ST6GAL1
Synonyms	ST6GAL1; ST6 beta-galactosamide alpha-2,6-sialyltranferase 1; sialyltransferase 1 (beta galactoside alpha 2,6 sialytransferase) , SIAT1; beta-galactoside alpha-2,6-sialyltransferase 1; ST6Gal I; alpha 2,6-ST 1; B-cell antigen CD75; sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase); CMP-N-acetylneuraminate beta-galactosamide alpha-2,6-sialyltransferase; CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,6-sialyltransferase 1; ST6N; SIAT1; ST6GalI; MGC48859;
Gene ID	6480
mRNA Refseq	NM_003032
Protein Refseq	NP_003023
MIM	109675

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UniProt ID	P15907
Chromosome Location	3q27-q28
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan antennae elongation, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem; N-glycan antennae elongation in the medial/trans-Golgi, organism-specific biosystem;
Function	beta-galactoside alpha-2,6-sialyltransferase activity; sialyltransferase activity;

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