Recombinant Human SLC35A1 293 Cell Lysate

Cat. No. SLC35A1-1735HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 35 (CMP-sialic acid transporter), member A1 (SLC35A1), transcript variant 1 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	SLC35A1 solute carrier family 35 (CMP-sialic acid transporter), member A1 [Homo sapiens]
Official Symbol	SLC35A1
Synonyms	CST; hCST; CDG2F; CMPST; CMP-sialic acid transporter; CMP-SA-Tr; CMP-Sia-Tr; solute carrier family 35 member A1; mutated CMP-sialic acid transporter A1; solute carrier family 35 (UDP-galactose transporter), member 1; solute carrier family 35 (CMP-sialic acid transporter), member 1
Gene ID	10559
mRNA Refseq	NM_006416
Protein Refseq	NP_006407
MIM	605634
UniProt ID	P78382
Chromosome Location	6q15
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem; Sialic acid metabolism, organism-

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	specific biosystem
Function	CMP-N-acetylneuraminate transmembrane transporter activity; sugar:proton symporter activity

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