

## Recombinant Human STT3A 293 Cell Lysate

**Cat. No.** STT3A-1382HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for STT3, subunit of the oligosaccharyltransferase complex, homolog A ( <i>S. cerevisiae</i> ) (STT3A) 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	STT3A STT3, subunit of the oligosaccharyltransferase complex, homolog A ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	STT3A
<b>Synonyms</b>	STT3A; STT3, subunit of the oligosaccharyltransferase complex, homolog A ( <i>S. cerevisiae</i> ); integral membrane protein 1 , ITM1; dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A; MGC9042; STT3 A; TMC; B5; transmembrane conserved; transmembrane protein TMC; integral membrane protein 1; integral transmembrane protein 1; oligosaccharyl transferase subunit STT3A; ITM1; STT3-A; FLJ27038;
<b>Gene ID</b>	3703
<b>mRNA Refseq</b>	NM_152713
<b>Protein Refseq</b>	NP_689926
<b>MIM</b>	601134
<b>UniProt ID</b>	P46977
<b>Chromosome Location</b>	11q23.3
<b>Pathway</b>	Asparagine N-linked glycosylation, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-

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Glycan biosynthesis, organism-specific biosystem; N-Glycan biosynthesis, conserved biosystem; Oligosaccharyltransferase, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem;

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