

Recombinant Human SULT1A1 293 Cell Lysate

Cat. No. SULT1A1-1357HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1 (SULT1A1), transcript variant 2 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.
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

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

GENE INFORMATION

Gene Name [SULT1A1 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1 \[Homo sapiens \]](#)

Official Symbol [SULT1A1](#)

Synonyms [SULT1A1](#); sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1; STP, STP1; sulfotransferase 1A1; P PST; ts-PST; P-PST 1; aryl sulfotransferase 1; thermostable phenol sulfotransferase1; phenol-sulfating phenol sulfotransferase 1; PST; STP; STP1; P-PST; ST1A1; ST1A3; TSPST1; HAST1/HAST2; MGC5163; MGC131921;

Gene ID [6817](#)

mRNA Refseq [NM_177529](#)

Protein Refseq [?NP_803565](#)

MIM [171150](#)

UniProt ID [P50225](#)

Chromosome Location 16p12.1

Pathway [Biological oxidations, organism-specific biosystem](#); [Cytosolic sulfonation of small molecules, organism-specific biosystem](#); [Metabolism, organism-specific biosystem](#); [Phase II conjugation, organism-specific biosystem](#); [Sulfur metabolism, organism-](#)

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specific biosystem; Sulfur metabolism, conserved biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem;

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