

Recombinant Human SULT1A3 293 Cell Lysate

Cat. No. SULT1A3-1354HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 (SULT1A3), 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 SULT1A3 sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3 [Homo sapiens]

Official Symbol SULT1A3

Synonyms SULT1A3; sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3; STM; sulfotransferase 1A3/1A4; TL PST; sulfokinase; phenol sulfotransferase 1A5; aryl sulfotransferase 1A3/1A4; dopamine-specific sulfotransferase; placental estrogen sulfotransferase; monoamine-sulfating phenosulfotransferase; catecholamine-sulfating phenol sulfotransferase; thermolabile (monoamine, M form) phenol sulfotransferase; HAST; HAST3; M-PST; ST1A5; TL-PST; ST1A3/ST1A4; MGC117469;

Gene ID 6818

mRNA Refseq NM_177552

Protein Refseq NP_808220

MIM 600641

UniProt ID P50224

Chromosome Location 16p11.2

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Pathway

Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Cytosolic sulfonation of small molecules, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Metabolism, organism-specific biosystem;

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