

## Product datasheet for **LY416663**

### **SPTLC1 (NM\_006415) Human Over-expression Lysate**

#### **Product data:**

<b>Product Type:</b>	Over-expression Lysates
<b>Description:</b>	Transient overexpression lysate of serine palmitoyltransferase, long chain base subunit 1 (SPTLC1), transcript variant 1
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	TrueORF Clone RC222985
<b>Tag:</b>	C-Myc/DDK
<b>Detection Antibodies:</b>	Clone OT14C5, Anti-DDK (FLAG) monoclonal antibody (TA50011-100)
<b>ACCN:</b>	<u>NM_006415</u> , <u>NP_006406</u>
<b>Synonyms:</b>	HSANI; HSN1; LBC1; LCB1; SPT1; SPTI
<b>Predicted MW:</b>	52.6 kDa
<b>Components:</b>	1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 µg whole HEK293T cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromophenol blue, 100mM DTT)
<b>Storage:</b>	The lysate is shipped with dry ice. Upon receiving, store the sample at -80°C. Also after dilution, the protein sample should be aliquoted and stored at -80°C for long term storage. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. Lysate samples are stable for 12 months from the date of receipt when stored at -80°C.



<b>Preparation:</b>	HEK293T cells in 10-cm dishes were transiently transfected with <u>MegaTran</u> Transfection Reagent (TT200002) and 5ug <u>TrueORF</u> cDNA plasmid. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.).
<b>RefSeq:</b>	<u>NP_006406</u>
<b>Locus ID:</b>	10558
<b>Cytogenetics:</b>	9q22.31
<b>Protein Families:</b>	WB
<b>Protein Pathways:</b>	Metabolic pathways, Sphingolipid metabolism

**Product images:**

Western validation with an anti-DDK antibody  
\* L: Control HEK293 lysate R: Over-expression lysate