

Recombinant Human LASS2 293 Cell Lysate

Cat. No. CERS2-4819HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for LAG1 homolog, ceramide synthase 2 (LASS2), 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 CERS2 ceramide synthase 2 [Homo sapiens]

Official Symbol CERS2

Synonyms L3; LASS2; SP260; TMSG1; ceramide synthase 2; LAG1 longevity assurance 2; LAG1 homolog, ceramide synthase 2; tumor metastasis-suppressor gene 1 protein; longevity assurance (LAG1, S. cerevisiae) homolog 2

Gene ID 29956

mRNA Refseq NM_022075

Protein Refseq NP_071358

MIM 606920

UniProt ID Q96G23

Chromosome Location 1q21.3

Pathway Ceramide biosynthesis, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem; Sphingosine biosynthesis, organism-specific biosystem

Function protein binding; sequence-specific DNA binding; sequence-specific DNA binding

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transcription factor activity

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