Recombinant Human LASS4 293 Cell Lysate

Cat. No. CERS4-4818HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for LAG1 homolog, ceramide synthase 4 (LASS4) 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.

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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	CERS4 ceramide synthase 4 [Homo sapiens]
Official Symbol	CERS4
Synonyms	Trh1; LASS4; ceramide synthase 4; LAG1 homolog, ceramide synthase 4; LAG1 longevity assurance homolog 4
Gene ID	79603
mRNA Refseq	NM_024552
Protein Refseq	NP_078828
MIM	615334
UniProt ID	Q9HA82
Chromosome Location	19p13.2
Pathway	Ceramide biosynthesis, organism-specific biosystem; Sphingolipid Metabolism, organism-specific biosystem; Sphingolipid metabolism, organism-specific biosystem
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sphingosine N-acyltransferase activity

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