

Recombinant Human CERK Protein, His-tagged

Cat. No. CERK-745H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CERK Protein (Ser128-Ser278) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser128-Ser278
Description	CERK converts ceramide to ceramide 1-phosphate (C1P), a sphingolipid metabolite. Both CERK and C1P have been implicated in various cellular processes, including proliferation, apoptosis, phagocytosis, and inflammation.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CERK ceramide kinase [Homo sapiens (human)]
Official Symbol	CERK
Synonyms	CERK; ceramide kinase; dA59H18.2; dA59H18.3; DKFZp434E0211; FLJ21430; FLJ23239; hCERK; KIAA1646; LK4; lipid kinase 4; lipid kinase LK4; acylsphingosine kinase; MGC131878;
Gene ID	64781
mRNA Refseq	NM_022766
Protein Refseq	NP_073603
MIM	610307
UniProt ID	Q8TCT0

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