Recombinant Full Length Human CERK Protein, GST-tagged

Cat. No. CERK-3248HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CERK full-length ORF (AAH04278, 1 a.a. - 201 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	201 amino acids
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 (Kim et al., 2006 [PubMed 16488390]).[supplied by OMIM, Mar 2008]
Molecular Mass	47.85 kDa
AA Sequence	MQRGPASGDPREGPPRQRREGCWGLHTCLITAARLRQSGWEHDLGVCSGSTDDK LWKLAVCKALASLLLLKCQIPMLYIDAKCLTQPGLGAVRRKLAIRGGGAGPGLPQDS SEAGPEVCTRGPDLSLSFLHTEFSIFIEHLVLLSQSSVNCVSDVCLLPRSHDGSLVSS AARGLRRPEDSSRKAFLPRSPGHPSIVYYVLV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CERK ceramide kinase [Homo sapiens]
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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