

# Recombinant Human CERK

Catalog No: #GP11225



Package Size: #GP11225-1 100ug

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## Description

Product Name	Recombinant Human CERK
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 128-278 amino acids of human ceramide kinase
Target Name	ceramide kinase
Other Names	LK4; hCERK; dA59H18.2; dA59H18.3
Accession No.	Swissprot:Q8TCT0Gene Accession:BC126940
Uniprot	Q8TCT0
GeneID	64781;
Storage	-20~-80°C, pH 7.6 PBS

## Background

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. Catalyzes specifically the phosphorylation of ceramide to form ceramide 1-phosphate. Acts efficiently on natural and analog ceramides (C6, C8, C16 ceramides, and C8-dihydroceramide), to a lesser extent on C2-ceramide and C6-dihydroceramide, but not on other lipids, such as various sphingosines. Binds phosphoinositides.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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