

## Product datasheet for **TP762486**

### CERK (NM\_022766) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human ceramide kinase (CERK), full length, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of CERK
Tag:	N-His
Predicted MW:	60.0 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_073603</a>
Locus ID:	64781
UniProt ID:	<a href="#">Q8TCT0</a> , <a href="#">A0A024R4U8</a>
RefSeq Size:	4445
Cytogenetics:	22q13.31
RefSeq ORF:	1611
Synonyms:	dA59H18.2; dA59H18.3; hCERK; LK4



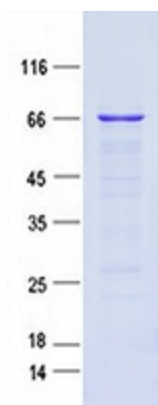
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**Summary:** CERK converts ceramide to ceramide 1-phosphate (C1P), a sphingolipid metabolite. Both CERK and C1P have been implicated in various cellular processes, including proliferation, apoptosis, phagocytosis, and inflammation (Kim et al., 2006 [PubMed 16488390]).[supplied by OMIM, Mar 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Sphingolipid metabolism

**Product images:**



Purified recombinant protein CERK was analyzed by SDS-PAGE gel and Coomassie Blue Staining.