

Datasheet for ABIN7553123
CERK Protein (AA 1-537) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CERK
Protein Characteristics:	AA 1-537
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CERK protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CERK Protein expressed in mammalian cells.
Sequence:	<p>MGATGAAEPL QSVLWVKQQR CAVSLEPARA LLRWWRSPGP GAGAPGADAC SVPVSEIIAV EETDVHGKHQ GSGKWQKMEK PYAFTVHCVK RARRHRWKWA QVTFWCPEEQ LCHLWLQTLR EMLEKLTSRP KHLLVFINPF GGKGQ GKRIY ERKVAPLFTL ASITTDIIVT EHANQAKETL YEINIDKYDG IVCVGGDGMF SEVLHGLIGR TQRSAGVDQN HPRAVLVPSS LRIGIIPAGS TDCVCYSTVG TSDAETSALH IVVGDSLAMD VSSVHHNSTL LRYSVSLLGY GFYGDIIKDS EKKRWLGLAR YDFSGLKTFL SHHCYEGTVS FLPAQHTVGS PRDRKPCRAG CFVCRQSKQQ LEEEQKKALY GLEAAEDVEE WQVCGKFLA INATNMSCAC RRSRGLSPA AHLGDGSSDL ILIRKCSR FN FLRFLIRHTN QQDQDFDTFV EVYRVKFKQF TSKHMEDEDS DLKEGGKKRF GHICSSHPSC CCTVSNSSWN CDGEVLHSPA IEVRVHCQLV RLFARGIEEN PKPDSHS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: CERK

Alternative Name: CERK ([CERK Products](#))

Background: Ceramide kinase (hCERK) (EC 2.7.1.138) (Acylsphingosine kinase) (Lipid kinase 4) (LK4),FUNCTION: Catalyzes specifically the phosphorylation of ceramide to form ceramide 1-phosphate (PubMed:11956206, PubMed:16269826, PubMed:19168031). 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 (PubMed:11956206, PubMed:16269826, PubMed:19168031). Shows a greater preference for D-erythro isomer of ceramides (PubMed:16269826). Binds phosphoinositides (PubMed:19168031). {ECO:0000269|PubMed:11956206, ECO:0000269|PubMed:16269826, ECO:0000269|PubMed:19168031}.

Molecular Weight: 60.0 kDa

Target Details

UniProt: [Q8TCT0](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months