

Recombinant Human CERKL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CERKL-1547H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CERKL MS Standard C13 and N15-labeled recombinant protein (NP_963842) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene was initially identified as a locus (RP26) associated with an autosomal recessive form of retinitis pigmentosa (arRP) disease. This gene encodes a protein with ceramide kinase-like domains, however, the protein does not phosphorylate ceramide and its target substrate is currently unknown. This protein may be a negative regulator of apoptosis in photoreceptor cells. Mutations in this gene cause a form of retinitis pigmentosa characterized by autosomal recessive cone and rod dystrophy (arCRD). Alternative splicing of this gene results in multiple transcript variants encoding different isoforms and non-coding transcripts.
Molecular Mass	59.4 kDa
AA Sequence	MPWRRRRNRVSALEGGREEEAPPEAAVPPALLTSPQQTEAAAERILLRGIFEIGRD SCDVLSERALRWRPIQPERPAGDSKYDLLCKEEFIELKDIFSVKLKRRCSVKQQRS GTLLGITLFCCLKKEQNKLKNSTLDLINLSEDHCDIWFRQFKKILAGFPNRPKSLKILLN PQSHKKEATQVYYEKVEPLLKLAGIKTDVTIMEYEGHALSLLKECELQGFDGVVCGV GDGSASEVAHALLLRAQKNAGMETDRILTPVRAQLPLGLIPAGSTNVLAHSLHGVPH

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VITATLHIIMGHVQLVDVCTFSTAGKLLRFGFSAMFGFGGRTLALAEKYRWMSPNQR
 RDFAVVKALAKLKAEDCEISFLPFNSSDDVQERRAQGSPKSDCNDQWQMIQGQFLN
 VSIMAIPCLCSVAPRGLAPNTRLNNGSMALIARNTSRPEFIKHLKRYASVKNQFNFPF
 VETYTVEEVKVHPRNNTGGYNPEEEEDETASENCFPWNVDGDLMEVASEVHIRLHP
 RLISLYGGSMEEMIPKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CERKL ceramide kinase-like [Homo sapiens (human)]

Official Symbol CERKL

Synonyms CERKL; ceramide kinase like; RP26; ceramide kinase-like protein;

Gene ID 375298

mRNA Refseq NM_201548

Protein Refseq NP_963842

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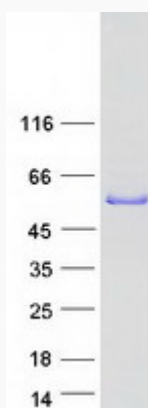
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MIM 608381

UniProt ID Q49MI3

SDS-PAGE



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