

## Product datasheet for PH323592

### CERKL (NM\_201548) Human Mass Spec Standard

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Mass Spec Standards   |
| Description:                          | CERKL MS Standard C13 and N15-labeled recombinant protein (NP_963842) |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | RC223592  |
| Predicted MW:                         | 59.4 kDa  |
| Protein Sequence:                     | >RC223592 representing NM_201548<br>Red=Cloning site Green=Tags(s)    |

MPWRRRRNRVSALEGGREEEAPPEAAAVPPALLTSPQQTEAAAERILLRGIFEIGRDSCDVVLSERALRW  
RPIQPERPAGDSKYDLLCKEEFIELKDIFSVKLKRCSVKQQRSGTLLGITLFICLKKEQNKLKNSTLDL  
INLSEHCDIWRQFKKILAGFPNRPKSLKILLNPQSHKKEATQVYYEKVEPLLKLAGIKTDVTIMEYEG  
HALSLLKECELQGFQVVCVGGDGSASEVAHALLLRAQKNAGMETDRILTPVRAQLPLGLIPAGSTNVLA  
HSLHGVPHVITATLHIIMGHVQLVDVCTFSTAGKLLRFGFSAMFGFGGRTLALAEKYRWSPNQRRDFAV  
VKALAKLKAEDCEISFLPFNSSDDVQERRAQGSPKSDCNDQWQMIQGQFLNVSIMAIPCLCSVAPRGLAP  
NTRLNNGSMALIIARNTSRPEFIKHLKRYASVKNQFNFPFVETYTVVEEVKVHPRNNTGGYNPEEEEDETA  
SENCFPWNVDGDLMEVASEVHIRLHPRLISLYGGSMEEMIPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                  |  |
|------------------|--|
| Tag:             | C-Myc/DDK  |
| Purity:          | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Concentration:   | >0.05 µg/µL as determined by microplate BCA method   |
| Labeling Method: | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine |
| Buffer:          | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| Storage:         | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| Stability:       | Stable for 3 months from receipt of products under proper storage and handling conditions.   |
| RefSeq:          | <u><a href="#">NP_963842</a></u>   |
| RefSeq Size:     | 3123   |
| RefSeq ORF:      | 1596   |



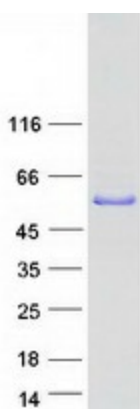
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**Synonyms:** RP26  
**Locus ID:** 375298  
**UniProt ID:** [Q49MI3](#)  
**Cytogenetics:** 2q31.3

**Summary:** 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. [provided by RefSeq, May 2010]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified CERKL protein (Cat# [TP323592]). The protein was produced from HEK293T cells transfected with CERKL cDNA clone (Cat# [RC223592]) using MegaTran 2.0 (Cat# [TT210002]).