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Product datasheet for SC327056

CERKL (NM_001160277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CERKL (NM_001160277) Human Untagged Clone
Tag:	Tag Free
Symbol:	CERKL
Synonyms:	RP26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>SC327056 representing NM_001160277.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCTGGAGGAGGCGCAGGAACCGGGTGAGTGCCCTGGAGGGCGGCCGGGAGGAAGAGGCGCCCCCG
GAGGCTGCCGCTGTGCCTCCGGCGCTGTTAACGTCCCCGCAGCAGACGGAGGCGGCGGCCGAGCGGATT
CTGCTCCGGGGCATCTTCGAGATCGGGAGGGACAGTTGTGACGTGGTGCTGAGCGAGCGAGCACTGCGG
TGGCGGCCCATTCAGCCCGAGCGCCCGGCGGGTGATTCTAAGTATGACTTGCTATGTAAAGAAGAATTT
ATTGAACTCAAAGACATATTCTCTGTGAAACTGAAACGGCGTTGTTCTGTTAAACAGCAGAGAAGTGGT
ACTTTATTAGGTATCACACTCTTCATCTGCTTGAAAAAGGAACAAAATAAACTAAAGAATTCTACACTT
GATCTTATTAATTTAAGTGAAGACCACTGTGACATATGGTTTAGACAGTTCAAGAAAATATTGGCAGTA
ATGGAATATGAAGGGCACGCTCTGTCACTGCTTAAGGAATGTGAACTCCAGGGATTTGATGGTGGGCAT
CGGAAACCATTGTTCGCAATACATTGGAGTGTACAGAGATTGTTCACTGGCATGCAAACGTTAGAACCA
AGTGTTGTCTGTGTTGGTGGAGATGGATCTGCTAGCGAAGTAGCCCATGCTTTGCTTCTGAGAGCTCAG
AAGAATGCTGGGATGGAAACAGACCGAATCCTGACTCCTGTCAGAGCACAGCTTCCACTTGGCTTAATA
CCAGCAGGATCTACCAATGTATTGGCACATTCTCTTCATGGAGTTCCTCATGTGATAACTGCAACATTG
CACATTATAATGGGGCATGTACAGCTGGTCGACGTCTGCACCTTCAGCACCGCTGGCAAGCTTCTTCGC
TTTGGGTTCTCAGCCATGTTTGGCTTTGGTGGAAGAACTTTGGCTCTGGCAGAAAAATATCGATGGATG
TCCCCTAACCAACGGAGAGATTTTGCTGTTGTTAAGGCACTGGCAAAACTTAAGGCAGAAGACTGTGAA
ATATCATTTTTACCATTTAACAGCTCTGATGATGTGCAAGAAAGGAGGGCACAGGGATCTCCCAAATCT
GACTGTAATGATCAATGGCAAATGATCCAGGGTCAGTTCTTGAATGTCAGCATTATGGCAATTCCTTGC
CTGTGTTCAGTGGCACCTAGAGGCTTGGCACCTAATACCAGATTAAATAATGGAAGTATGGCTCTTATA
ATTGCCCGAAACACTTCTCGGCCAGAATTTATAAAACACCTGAAAAGATATGCCAGTGTAAAAAATCAG
TTCAATTTTCCATTTGTTGAGACTTACACTGTTGAGGAAGTAAAAGTTCATCCAAGGAATAATACTGGT
GGATATAATCCAGAGGAGGAGGAGGATGAAACTGCTTCAGAAAATTGTTTCCCTTGGAATGTAGATGGT
GACTTAATGGAAGTTGCATCAGAGGTCCATATTAGATTGCATCCAAGACTTATCAGTCTTTATGGAGGA
AGCATGGAAGAAATGATTCCAAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001160277

Insert Size: 1545 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001160277.1
RefSeq Size:	3172 bp
RefSeq ORF:	1545 bp
Locus ID:	375298
UniProt ID:	Q49MI3
Cytogenetics:	2q31.3
Protein Families:	Druggable Genome
MW:	57.6 kDa
Gene 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] Transcript Variant: This variant (7) lacks one alternate in-frame exon in the central coding region, compared to variant 2. The resulting isoform (7) lacks an internal segment, compared to isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.