

Product datasheet for **SC319321**

Pellino 2 (PELI2) (NM_021255) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pellino 2 (PELI2) (NM_021255) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pellino 2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_021255.2
 GGGCCTCAGCGCAGGCAGGTCCCCTGCTGCCGGTCCCATTTGTTGCCGGCTCTGACTC
 GGGGGCGCCGGCGCGCGGAGCTCCGGGGAGTCAGGCGGAGCAGCCGCGCAGCCACGAC
 GGAGCAGCAGCGGGACTGGCCGCCCCGCGCCCCCTTCGCCGCGTGCCTTCCCCGGCGC
 GCTACCCCGTTCTCGGGATGGGATTGTAGCGCGGCGCGGACTCGGCGGGGATCGCGGC
 GGAGGCGGCGCGTCCGCGCGCGCGTCCGCGCGCGGAGCGGGGCTCCATGTTTTCCCTGG
 CCAGGAGGAACACTGCGCCCCAATAAGGAGCCAGTGAAATACGGGGAGCTGGTGGTGTCT
 CGGGTACAATGGTGCTTTACCCAATGGAGATAGAGGACGAGGAAAAGTAGATTTGCCCT
 CTAACAAGCGCCCAAGGCAAATGGTGCAAAACCCAGCACCGTCCATGTGATATCCACGCC
 CCAGGCATCCAAGGCTATCAGCTGCAAAGGTCAACACAGTATATCCTACACTTTGTCAAG
 GAATCAGACTGTGGTGGTGGAGTACACACATGATAAGGATACGGATATGTTTCAGGTGGG
 CAGATCAACAGAAAGCCCTATCGACTTCGTTGTACAGACACGATTTCTGGCAGCCAGAA
 CACGGACGAAGCCAGATCACACAGAGCACCATATCCAGTTTCGCTGCAGGATCGTGTG
 CGACAGGAATGAACCTTACACAGCACGGATATTCGCCCGCGGATTTGACTCTTCAAAAA
 CATATTTCTGGAGAAAAGGCAGCAAAGTGAAAAACCCGACGCGCCACATGGATGGGCT
 CACTACTAATGGCGTCCGGTGTGCATCCACGAGGGGGCTTACCGAGGAGTCCAGGCC
 CGGGGTCTGGCGCGAGATCTCTGTCTGTGGAGATGTGTACACCTTGCAGAAAACAGGTC
 GGCCACGAACGAGGAAAGCTGGTGGAAAGTGAGACCAACGCTCCTGCAGGACGGCTCCCT
 CATTGACCTGTGTGGGGCACTCTCCTCTGGAGAACAGCAGATGGGCTTTTTCTACTCC
 AACTCAGAAGCACATAGAAGCCCTCCGGCAGGAGATTAACGCCCGCCGCGCTCAGTGCC
 TGTGGGGCTCAACACCCTGGCCTTCCCCAGCATCAACAGGAAAGAGGTGGTGGAGGAGAA
 GCAGCCCTGGGCATATCTCAGTTGTGGCCACGTGCACGGGTACCACAACCTGGGGCCATCG
 GAGTGACACGGAGGCCAACGAGAGGGAGTGTCCATGTGCAGGACTGTGGGCCCTATGT
 GCCTCTCTGGCTTGGCTGTGAGGCAGGATTTTATGTAGACGACGAGCCGCAACTCATGC
 TTTCACTCCCTGTGGACAGTGTCTCGGAGAAGTCTGCAAAATACTGGTCTCAGATCCC
 GTTGCCTCATGAACTCATGCATTTACGCTGCTTGCCTTTCTGTGCTACACAGCTGGT
 TGGGGAGCAAACTGCATCAAATTAATTTTCCAAGGTCCAATTGACTGACGCCCTTGACA
 GCCATCTACGACTTTATTAACAGGTTACTGTGAAGATTTGCCACTAACTCTAGATTTTA
 CCTTTTGTAAATGCTGTTATCAGAGGAGGTGACAGGGGCTGAAATAAAGAGAGGGGA
 CATGGTGTGAAACATGGCAGGAGTGTAAACAGATACCAGTGGTGTGTTGCATGCTCAAAA
 CAGCAGCGTCGTCATTGAAGTCTGCTTGATTAACCATAATATCTTTGTAATAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_021255

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<ol style="list-style-type: none"> 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:	<u>NM_021255.2</u> , <u>NP_067078.1</u>
RefSeq Size:	5755 bp
RefSeq ORF:	1263 bp
Locus ID:	57161
UniProt ID:	<u>Q9HAT8</u>
Cytogenetics:	14q22.3
Domains:	Pellino
Protein Families:	Druggable Genome
Gene Summary:	E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. Involved in the TLR and IL-1 signaling pathways via interaction with the complex containing IRAK kinases and TRAF6. Mediates IL1B-induced IRAK1 'Lys-63'-linked polyubiquitination and possibly 'Lys-48'-linked ubiquitination. May be important for LPS- and IL1B-induced MAP3K7-dependent, but not MAP3K3-dependent, NF-kappa-B activation. Can activate the MAP (mitogen activated protein) kinase pathway leading to activation of ELK1. [UniProtKB/Swiss-Prot Function]