

Product datasheet for **SC113069**

Pellino 1 (PELI1) (NM_020651) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pellino 1 (PELI1) (NM_020651) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pellino 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020651, the custom clone sequence may differ by one or more nucleotides

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ATGTTTTCTCCTGATCAAGAAAATCATCCATCTAAAGCACCAGTAAAATATGGTGAACCTATTGTCTTAG
GGTATAATGGGTCTCTCCAAATGGCGATAGAGGAAGGAGGAAAAGTAGGTTTGCTTTGTTAAAAGACC
TAAGGCAAATGGGGTGAAGCCCAGCACTGTGCATATTGCTTGTACTCCTCAGGCTGCAAAGGCAATAAGC
AACAAAGACCAGCATAGCATATCATATACTTTATCTCGGGCCAGACTGTGGTGGTTGAATATACTCATG
ACAGCAACACCGATATGTTTCAGATTGGCCGGTCGACTGAAAGCCCCATTGATTTGTAGTAACCTGACAC
GGTTCTTGAAGTCAAAGTAATTCTGATACACAGTCAGTACAAAGCACTATATCAAGATTTGCCTGCAGA
ATCATATGTGAACGGAATCCTCCCTTTACAGCACGGATTTATGCTGCAGGATTTGACTCATCAAAAAACA
TCTTTCTTGGGGAGAAGGCTGCCAAATGGAAGACATCAGATGGACAGATGGATGGCTTGACCACTAATGG
TGTTCTTGATGATCCACGCAATGGGTTACAGAAAGACTCCAAGCCTGGAATATGGAGAGAAATATCG
GTGTGGAAATGTATTTAGCCTACGTGAAACCAGATCGGCTCAGCAGAGAGGAAAAATGGTGGAAATTG
AAACCAATCAGTTACAAGATGGCTCGTTAATTGACCTCTGTGGTGAACATTGTTATGGCGTACTGCAGA
AGGCCTTTCCCACTCCTACCGTGAAGCATTTAGAAGCTTTAAGACAGGAAATCAATGCAGCACGACCT
CAGTGCCTGTAGGGTTCAACACTAGCATTTCCTAGTATGAAGAGGAAAGACGTTGTAGATGAAAAAC
AACCATGGGTATATCTAAACTGCGGCCATGTACATGGCTATCATAACTGGGAAACAAAGAAGAACGTGA
TGGAAAAGATCGTGAATGTCCTATGTGTAGGTCTGTTGGTCCCTATGTTCTCTGTGGCTTGATGTGAA
GCTGGATTTTATGTGGACGCCGCCCTCCAACCATGCGTTTAGCCCGTGTGGGCATGTGTGTTAGAAA
AGACAACCTGCCTATTGGTCCCAGATCCCCTCCTCATGGTACTCATACTTTTCATGCAGCCTGTCCCTT
TTGTGCACATCAGTTGGCTGGTGAACAAGGCTACATCAGACTTATTTTTCAAGGACCTCTAGACTAA
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Restriction Sites:	Please inquire
ACCN:	NM_020651
Insert Size:	3590 bp



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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).
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_020651.2</u> , <u>NP_065702.2</u>
RefSeq Size:	7136 bp
RefSeq ORF:	1257 bp
Locus ID:	57162
UniProt ID:	<u>Q96FA3</u>
Cytogenetics:	2p14
Domains:	Pellino
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 'Lys-63'-linked polyubiquitination of IRAK1 allowing subsequent NF-kappa-B activation (PubMed:12496252, PubMed:17675297). Mediates 'Lys-48'-linked polyubiquitination of RIPK3 leading to its subsequent proteasome-dependent degradation; preferentially recognizes and mediates the degradation of the 'Thr-182' phosphorylated form of RIPK3 (PubMed:29883609). Negatively regulates necroptosis by reducing RIPK3 expression (PubMed:29883609). Mediates 'Lys-63'-linked ubiquitination of RIPK1 (PubMed:29883609).[UniProtKB/Swiss-Prot Function]