

## Product datasheet for **AR51612PU-S**

### PELI2 (1-420, His-tag) Human Protein

#### Product data:

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Description:                          | PELI2 (1-420, His-tag) human recombinant protein, 50 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Species:                              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expression Host:                      | E. coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Expression cDNA Clone or AA Sequence: | MGSSHHHHHH SSGLVPRGSH MGSMFSPGQE EHCAPNKEPV KYGELWVLGY NGALPNGDRG RRKSRFALYK RPKANGVKPS TVHVISTPQA SKAISCKGQH SISYTLARNQ TVVVEYTHDK DTDMFQVGRS TESPIDFVVT DTISGSQNTD EAQITQSTIS RFACRIVCDR NEPYTARIFA AGFDSSKNIF LGEKAAKWKN PDGHMDGLTT NGVLVMHPRG GFTEESQPGV WREISVCGDV YTLRETRSAQ QRGKLVESSET NVLQDGLID LCGATLLWRT ADGLFHTPTQ KHIEALRQEI NAARPQCPVG LNTLAFPSIN RKEVVEEKQP WAYLSCGHVH GYHNWGHRS D TEANERECPM CRTVGPYVPL WLGCEAGFYV DAGPPTHAFT PCGHVCSEKS AKYWSQIPLP HGTHAFHAAC PFCATQLVGE QNCIKLIFQG PID |
| Tag:                                  | His-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Predicted MW:                         | 48.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Concentration:                        | lot specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity:                               | >80% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1 mM DTT                                                                                                                                                                                                                                                                                                                                            |
| Preparation:                          | Liquid purified protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protein Description:                  | Recombinant human PELI2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                                                                                                                                                                                                                   |
| Storage:                              | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                |
| Stability:                            | Shelf life: one year from despatch.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| RefSeq:                               | <a href="#">NP_067078</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Locus ID:                             | 57161                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



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UniProt ID: [Q9HAT8](#), [Q9H716](#)

Cytogenetics: 14q22.3

**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]

**Protein Families:** Druggable Genome

### Product images:

