

PELI2, 1-420aa, Human, His tag, E.coli

Cat.NO.: TP03349

3th Edition

Synonyms:E3 ubiquitin-protein ligase pellino homolog 2, PELI2 - pellino E3, Pellino-2

Description:PELI2 is an E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. This protein is involved in the TLR and IL-1 signaling pathways via interaction with the complex containing IRAK kinases and TRAF6. It mediates IL1B-induced IRAK1 'Lys-63'-linked polyubiquitination and possibly 'Lys-48'-linked ubiquitination. PELI2 may be important for LPS- and IL1B-induced MAP3K7-dependent, but not MAP3K3-dependent, NF-kappa-B activation. It can activate the MAP (mitogen activated protein) kinase pathway leading to activation of ELK1. Recombinant human PELI2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Molecular Weight:48.8 kDa (443aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMFSPGQEEHCAPNKEPVKYGELVVLGYNGALPNGDRGRRKSRFALYKRPK
ANGVKPSTVHVISTPQASKAISCKGQHSISYTLNRNQTVVVEYTHDKDMDMFQVGRSTESPIDFVVTDTISGSQNTD
EAQITQSTISRACRIVCDRNEPYTARIFAAGFDSSKNIFLGEKAAKWKNPDGHMDGLTTNGVLMHPRGGFTEES
QPGVWREISVCGDVYTLRETRSAQQRGKLVESETNVLQDGLIDLCGATLLWRTADGLFHTPTQKHIEALRQEINA
ARPQCPVGLNTLAFPSINRKEVVEEKQPWAYLSCGHVHGYNWGHRSDEANERECPMCRVGPYVPLWLGCE
AGFYVDAGPPTHAFTPCGHVCSEKSAKYWSQIPLPHGTHAFHAACPFCAATQLVGEQNCIKLIFQGPID

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.