

Product datasheet for PH308197

Pellino 1 (PELI1) (NM_020651) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PELI1 MS Standard C13 and N15-labeled recombinant protein (NP_065702)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208197
Predicted MW:	46.3 kDa
Protein Sequence:	>RC208197 protein sequence Red=Cloning site Green=Tags(s)

MFSPDQENHPSKAPVKYGELIVLGYNGSLPNGDRGRRKSRFALFKRPKANGVKPSTVHIACTPQAAKAIS
NKDQHSISYTLRAQTVVVEYTHDSNTDMFQIGRSTESPIDFVVTDTVPGSQSNSDTQSVQSTISRACR
IICERNPPFTARIYAAGFDSSKNIFLGEKAAKWKTSQGQMDGLTTNGVLVMHPRNGFTEDSKPGIWRREIS
VCGNVFSLRETRSAQQRGKMEIETNQLQDGLIDLCGATLLWRTAEGLSHTPTVKHLEALRQEINAARP
QCPVGFNTLAFPSMKRKDVVDEKQPWVYLNCGHVHGYHNWGNKEERDGDRECPMCRSVGPYVPLWLGC
AGFYVDAGPPTAHAFSPCGHVCSEKTTAYWSQIPLPHGTHTFHAACPFCAHQLAGEQGYIRLIFQGPLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_065702</u>
RefSeq Size:	3780
RefSeq ORF:	1254
Locus ID:	57162
UniProt ID:	<u>Q96FA3, Q53T26</u>

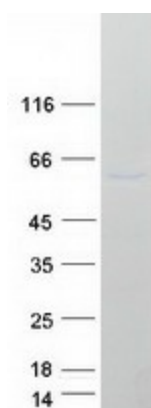


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Cytogenetics: 2p14

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]

Product images:



Coomassie blue staining of purified PELI1 protein (Cat# [TP308197]). The protein was produced from HEK293T cells transfected with PELI1 cDNA clone (Cat# [RC208197]) using MegaTran 2.0 (Cat# [TT210002]).