

Product datasheet for PH301459

PLEK2 (NM_016445) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLEK2 MS Standard C13 and N15-labeled recombinant protein (NP_057529)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201459
Predicted MW:	40 kDa
Protein Sequence:	>RC201459 protein sequence Red=Cloning site Green=Tags(s)

MEDGVLKEGFLVVRGHIVHNWKRWFILRQNTLVYYKLEGRRVTPPKGRILLDGCITITPCLEYENRPL
L I K L K T Q T S T E Y F L E A C S R E E R D A W A F E I T G A I H A G Q P G K V Q Q L H S L R N S F K L P P H I S L H R I V D K M H D S N
T G I R S S P N M E Q G S T Y K K T F L G S S L V D W L I S N S F T A S R L E A V T L A S M L M E E N F L R P V G V R S M G A I R S G D L A
E Q F L D D S T A L Y T F A E S Y K K K I S P K E E I S L S T V E L S G T V V K Q G Y L A K Q G H K R K N W K V R R F V L R K D P A F L H Y
Y D P S K E E N R P V G G F S L R G S L V S A L E D N G V P T G V K G N V Q G N L F K V I T K D D T H Y Y I Q A S S K A E R A E W I E A I K
K L T

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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_057529</u>
RefSeq Size:	1479
RefSeq ORF:	1059
Locus ID:	26499
UniProt ID:	<u>Q9NYT0</u>

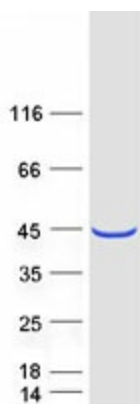


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Cytogenetics: 14q23.3-q24.1

Summary: The protein encoded by this gene associates with membrane-bound phosphatidylinositols generated by phosphatidylinositol 3-kinase. The encoded protein then interacts with the actin cytoskeleton to induce cell spreading. In conjunction with complement component 1, q subcomponent, B chain (C1QB), this gene shows an increase in expression in melanoma cells and may serve as an accurate biomarker for the disease. [provided by RefSeq, Dec 2015]

Product images:



Coomassie blue staining of purified PLEK2 protein (Cat# [TP301459]). The protein was produced from HEK293T cells transfected with PLEK2 cDNA clone (Cat# [RC201459]) using MegaTran 2.0 (Cat# [TT210002]).