

## Product datasheet for PH300444

### PDZK1 (NM\_002614) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PDZK1 MS Standard C13 and N15-labeled recombinant protein (NP_002605)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200444
Predicted MW:	57.1 kDa
Protein Sequence:	>RC200444 protein sequence Red=Cloning site Green=Tags(s)

MTSTFNPRECKLSKQEGQNYGFFLRIEKDTGHLVVRVVEKCSPAEKAGLQDGRVLRINGVFVDKEEHMQ  
VVDLVRKSGNSVTLLVLDGDSYEKAVKTRVDLKELGQSQKEQGLSDNILSPVMNGGVQWTQPRLCYLVK  
EGGSYGFSLKTVQGGKGVYMTDITPQGVAMRAGVLADDHLIEVNGENVEDASHEEVVEKVKKSGSRVMFL  
LVDKETDKRHVEQKIQFKRETASLKLPHQPRIEMKKGSGNGYGFYLRAGSEQKGQIIKIDISGSPAEEA  
GLKNNDLVVAVNGESVETLDHDSVVEMIRKGGDQTSLLVVDKETDNMYRLAHFSPFLYYQSQELPNGSVK  
EAPAPTPTSLEVSSPDTTEEVDHKPKLCRLAKGENGYGFHLNAIRGLPGSFIKEVQKGGPADLAGLEDE  
DVIIEVNGVNVLDEPYEKVVDRIQSSGKNVTLLVCGKKAYDYFQAKKIPIVSSLADPLDTPPDSKEGIVV  
ESNHDSHMAKERAHSTASHSSSSNSEDEM

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_002605</a>
RefSeq Size:	2301
RefSeq ORF:	1557



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**Synonyms:** CAP70; CLAMP; NHERF-3; NHERF3; PDZD1

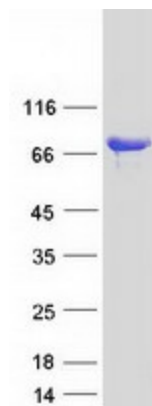
**Locus ID:** 5174

**UniProt ID:** [Q5T2W1](#)

**Cytogenetics:** 1q21.1

**Summary:** This gene encodes a PDZ domain-containing scaffolding protein. PDZ domain-containing molecules bind to and mediate the subcellular localization of target proteins. The encoded protein mediates the localization of cell surface proteins and plays a critical role in cholesterol metabolism by regulating the HDL receptor, scavenger receptor class B type 1. Single nucleotide polymorphisms in this gene may be associated with metabolic syndrome, and overexpression of this gene may play a role in drug resistance of multiple myeloma. Pseudogenes of this gene are located on the long arm of chromosome 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]

### Product images:



Coomassie blue staining of purified PDZK1 protein (Cat# [TP300444]). The protein was produced from HEK293T cells transfected with PDZK1 cDNA clone (Cat# [RC200444]) using MegaTran 2.0 (Cat# [TT210002]).