

## Product datasheet for **TP300444**

### PDZK1 (NM\_002614) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human PDZ domain containing 1 (PDZK1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200444 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTSTFNPRECKLSKQEGQNYGFFLRIEKDTEGHLVVRVEKCSPAEKAGLQDGDRVLRINGVFVDKKEEHMQ  
VVDLVRKSGNSVTLLVLDGDSYEKAVKTRVDLDELGQSQKEQGLSDNILSPVMNGGVQWTWTQPRLCYLVK  
EGGSYGFSLKTVQGGKGVYMTDITPQGVAMRAGVLADHDLIEVNGENVEDASHEEVEKVKKSGSRVMFL  
LVDKETDKRHVEQKIQFKRETASLKLPHQPRIVEMKKGSNGYGFYLRAGSEQKGQIIKDIDSGSPAEEA  
GLKNNDLVAVNGESVETLDHDSVEMIRKGGDQTSLLVVDKETDNMYRLAHFSPFLYYQSQELPNGSVK  
EAPAPTPTSLEVSSPPDTTEEVDHKKPKLRLAKGENGYGFHLNAIRGLPGSFIKEVQKGGPADLAGLEDE  
DVIIIEVNGVNVLDPEYKVDRIQSSGKNVTLLVCGKKAYDYFQAKKIPIVSSLADPLDTPPDSKEGIVV  
ESNHDSHMAKERAHSTASHSSNSSEDEM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	56.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

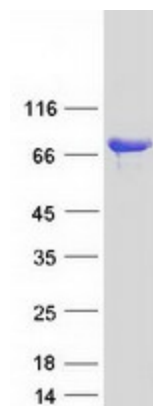


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RefSeq:	<a href="#">NP_002605</a>
Locus ID:	5174
UniProt ID:	<a href="#">Q5T2W1</a>
RefSeq Size:	2301
Cytogenetics:	1q21.1
RefSeq ORF:	1557
Synonyms:	CAP70; CLAMP; NHERF-3; NHERF3; PDZD1

**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]).