

# Recombinant Human PDZK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDZK1-4802H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	PDZK1 MS Standard C13 and N15-labeled recombinant protein (NP_002605) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	57.1 kDa
<b>AA Sequence</b>	MTSTFNPRECKLSKQEGQNYGFFLRIEKDTEGHLVRRVVEKCSPAEKAGLQDGDRLV RINGVFVDKEEHMQVVDLVRKSGNSVTLLVLDGDSYEKAVKTRVDLKELGQSQKEQ GLSDNILSPVMNGGVQWTWPRLCYLVKEGGSYGFSLKTVQGGKGVYMTDITPQG VAMRAGVLADDHLIEVNGENVEDASHEEVVEKVKKSGSRVMFLLVDKETDKRHVEQ

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KIQFKRETASLKLLPHQPRIVEMKKGSNGYGFYLRAGSEQKGQIIKDIDSGSPAEEAG  
 LKNNDLVVAVNGESVETLDHDSVVEMIRKGGDQTSLLVVDKETDNMYRLAHFSPFL  
 YYQSQELPNGSVKEAPAPTPTSLEVSSPPDTTEEVDHKPKLCRLAKGENGYGFHLN  
 AIRGLPGSFIKEVQKGGPADLAGLEDEDVIIEVNGVNVLDEPYEKVVDRIQSSGKNVT  
 LLVCGKKAYDYFQAKKIPIVSSLADPLDTPPDSKEGIVVESNHDSHMAKERAHSTAS  
 HSSNSSEDEMTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** PDZK1 PDZ domain containing 1 [ Homo sapiens (human) ]

**Official Symbol** PDZK1

**Synonyms** PDZK1; PDZ domain containing 1; Na(+)/H(+) exchange regulatory cofactor NHERF3; NHERF3; PDZD1; naPi-Cap1; PDZ-containing kidney protein 1; CFTR-associated protein of 70 kDa; sodium-hydrogen exchanger regulatory factor 3; na/Pi cotransporter C-terminal-associated protein 1; CAP70; CLAMP; NHERF-3;

**Gene ID** 5174

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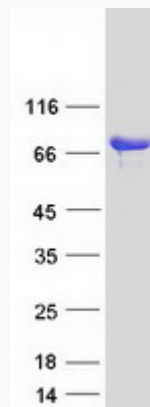
mRNA Refseq [NM\\_002614](#)

Protein Refseq [NP\\_002605](#)

MIM [603831](#)

UniProt ID [Q5T2W1](#)

SDS-PAGE



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