

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

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KIQFKRETASLKLLPHQPRIVEMKKGSNGYGFYLRAGSEQKGQIIKDIDSGSPAEEAG
 LKNNDLVVAVNGESVETLDHDSVEMIRKGGDQTSLLVVDKETDNMYRLAHFSPFL
 YYQSQELPNGSVKEAPAPTPTSLEVSSPPDTTEEVDHKPKLCRLAKGENGYGFHLN
 AIRGLPGSFIKEVQKGGPADLAGLEDEDVIIEVNGVNVLDEPYEKVVDRIQSSGKNVT
 LLVCGKKAYDYFQAKKIPIVSSLADPLDTPPDSKEGIVVESNHDSHMAKERAHSTAS
 HSSNSEDEMTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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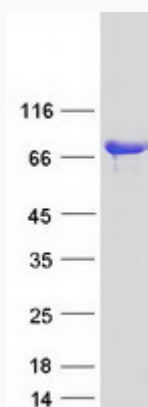
mRNA Refseq [NM_002614](#)

Protein Refseq [NP_002605](#)

MIM [603831](#)

UniProt ID [Q5T2W1](#)

SDS-PAGE



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