

# Recombinant Full Length Human PDZK1 Protein

Cat. No. PDZK1-368HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human PDZK1 with N terminal proprietary tag; Predicted MWt 83.2 kDa.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	519 amino acids
<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>Form</b>	Liquid
<b>Molecular Mass</b>	83.200kDa inclusive of tags
<b>AA Sequence</b>	MTSTFNPRECKLSKQEGQNYGFFLRIEKDTEGHLVRVVEK CSPAEKAGLQDGDRV LRINGVFVDKEEHMQVVDLVRKSGN SVTLLVLDGDSYEKAVKTRVDLKELGQSQKE

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QGLSDNILS PVMNGGVQWTQPRLCYLVKEGGSYGFSLKTVQGKKGVM TDITPQ  
 GVAMRAGVLADDHLIEVNGENVEDASHEEVVEKV KKSGSRVMFLLVDKETDKRHV  
 EQKIQFKRETASLKLLPHQ PRIVEMKKGSNGYGFYLRAGSEQKGQIIKDIDSGSPAE  
 EA GLKNNDLVAVNGESVETLDHDSVEMIRKGGDQTSLLVV DKETDNMYRLAHF  
 SPFLYYQSQELPNGSVKEAPAPTPTSL EVSSPDTTEEVDHKPKLCRLAKGENGYG  
 FHLNAIRGLPG SFIKEVQKGGPADLAGLEDEDVIEVNGVNVLDEPYEKVV DRIQSS  
 GKNVTLLVCGKKAYDYFQAKKIPIVSSLADPLDT PPDSKEGIVVESNHDSHMAKERA  
 HSTASHSSSNSDTEM

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

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

**Official Symbol** [PDZK1](#)

**Synonyms** PDZK1; PDZ domain containing 1; Na(+)/H(+) exchange regulatory cofactor NHERF3; NHERF3; PDZD1

**Gene ID** [5174](#)

**mRNA Refseq** [NM\\_001201325](#)

**Protein Refseq** [NP\\_001188254](#)

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<b>MIM</b>	603831
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<b>UniProt ID</b>	Q5T2W1
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