

Recombinant Full Length Human PDZK1 Protein

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

SPECIFICATION

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

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QGLSDNLS PVMNGGVQWTWTQPRLCYLVKEGGSYGFSCLKTVQGKKGVYM TDITPQ
 GVAMRAGVLADDHLIEVNGENVEDASHEEVVEKV KKSGSRVMFLLVDKETDKRHV
 EQKIQFKRETASLKLLPHQ PRIVEMKKGSNGYGFYLRAGSEQKGQIIKDIDSGSPAE
 EA GLKNNDLVVAVNGESVETLDHDSVEMIRKGGDQTSLLV DKETDNMYRLAHF
 SPFLYYQSQELPNGSVKEAPAPTPTSL EVSSPPDTTEEVDHKPKLCRLAKGENGYG
 FHLNAIRGLPG SFIKEVQKGGPADLAGLEDEDVIEVNGVNVLDPEYEVV 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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MIM	603831
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UniProt ID	Q5T2W1
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