

Product information



PDZK1, 1-519aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2075

Full name: Na(+)/H(+) exchange regulatory cofactor NHE-RF3

NCBI Accession No.: NP_001188254

Synonyms: CAP70, CLAMP, NHERF-3, NHERF3, PDZD1

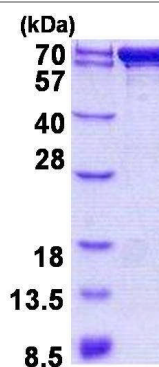
Description: PDZK1 is a PDZ domain-containing scaffolding protein. This protein mediates the localization of cell surface proteins and plays a critical role in cholesterol metabolism by regulating the HDL receptor, scavenger receptor class B type 1. Single nucleotide polymorphisms in this gene may be associated with metabolic syndrome, and overexpression of this gene may play a role in drug resistance of multiple myeloma. Recombinant human PDZK1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT.

Molecular Weight: 59 kDa (542aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMTSTFNP RECKLSKQEG QNYGFFLRIE KDTEGHLVRV VEKCSPEAKA GLQDGRVLR INGVFVDKEE
HMQVVDLVRK SGNSTLLVL DGDSYEKAVK TRVDLKELGQ SQKEQGLSDN ILSPVMNGGV QTWTQPRLCY LVKEGGSYGF SLKTVQGKKG
VYMTDITPQG VAMRAGVLAD DHLIEVNGEN VEDASHEEVV EKVKKSGSRV MFLLVDKETD KRHVEQKI QF KRETASLKL PHQPRI VEMK
KGSNGYGFYL RAGSEQKGI IKDIDSGSPA EEAGLKNNDL VVAVNGESVE TLDHDSVEM IRKGGDQTS L LVVDKETDNM YRLAHFSPFL
YYQSQELPNG SVKEAPPTP TSLEVSSPPD TTEEVDHKPK LCRLAKGENG YGFHLNAIRG LPGSFIKEVQ KGGPADLAGL EDEDVIEVN
GVNVLDEPYE KVVDRIQSSG KNVTLVCGK KAYDYFQAKK IPIVSSLADP LDTPPDSKEG I VVESNHDSH MAKERAHSTA SHSSNSSED
EM

General references:

Kocher O, Yesilaltay A, *et al.* (2003). *J Biol Chem.* 278(52):52820-5.

Inoue J, Otsuki T, *et al.* (2004). *Am J Pathol.* 165(1):71-81.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com