

PDZK1, 1-519aa, Human His tag, E.coli

Cat.NO.: TP03340

3th Edition

Synonyms:Na(+)/H(+) exchange regulatory cofactor NHE-RF3 , 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)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSTSTFNPRECKLSKQEGQNYGFFLRIEKDTEGHLVRRVVEKCSPAEKAGLQD
GDRVLRINGVVFVDKEEHMQVVDLVRKSGNSVTLLVLDGDSYEKAVKTRVDLKLGGSQKEQGLSDNILSPVMNGG
VQTWTQPRLCYLVKEGGSYGFSLKTVQGKGVYMTDITPQGVAMRAGVLADDHLIEVNGENVEDASHEEVVEKVK
KSGSRVMFLLVDKETDKRHVEQKIQFKRETASLKLPHQPRIVEMKKGSNGYGFYLRAGSEQKGGQIIKDIDSGSPAE
EAGLKNNDLVAVNGESVETLDHDSVEMIRKGGDQTSLLVVDKETDNMYRLAHFSPFLYYQSQELPNGSVKEAP
APTPTSLEVSSPPDTTEEVDHKPKLCRLAKGENGYGFHLNAIRGLPGSFIKEVQKGGPADLAGLEDEDVIEVNGVN
VLDEPYEKVVDRIQSSGKNVTLLVCGKKAYDYFQAKKIPVSSLADPLDTPPDSKEGIVVESNHDSHMAKERAHSTA
SHSSNSSEDEM

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.