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Product datasheet for AR50899PU-S

PDZD1 (1-519, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	PDZD1 (1-519, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMTSTFNP RECKLSKQEG QNYGFFLRIE KDTEGHLVRV VEKCSPAEKA GLQDGDRVLR INGVFVDKEE HMQVVDLVRK SGNSVTLLVL DGDSYEKAVK TRVDLKELGQ SQKEQGLSDN ILSPVMNGGV QTWTQPRLCY LVKEGGSYGF SLKTVQGKKG VYMTDITPQG VAMRAGVLAD DHLIEVNGEN VEDASHEEVV EKVKKSGSRV MFLLVDKETD KRHVEQKIQF KRETASLKLL PHQPRIVEMK KGSNGYGFYL RAGSEQKGQI IKDIDSGSPA EEAGLKNNDL VVAVNGESVE TLDHDSVVEM IRKGGDQTSL LVVDKETDNM YRLAHFSPFL YYQSQELPNG SVKEAPAPTP TSLEVSSPPD TTEEVDHKPK LCRLAKGENG YGFHLNAIRG LPGSFIKEVQ KGGPADLAGL EDEDVIIEVN GVNVLDEPYE KVVDRIQSSG KNVTLLVCGK KAYDYFQAKK IPIVSSLADP LDTPPDSKEG IVVESNHDSH MAKERAHSTA SHSSSNSEDT EM
Tag:	His-tag
Predicted MW:	59 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human PDZK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001188254
Locus ID:	5174

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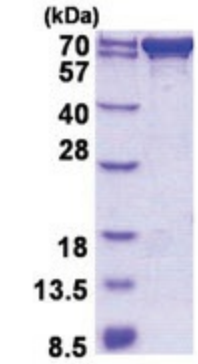
UniProt ID: Q5T2W1

Cytogenetics: 1q21.1

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

Summary: 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. [provided by RefSeq, Jan 2011]

Product images:



15% SDS-PAGE (3ug)