
Product Data Sheet

Product Name: PDZK1 Human
 Cat. No.: GP24157
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PDZ Domain Containing 1; PDZ-Containing Kidney Protein 1; Na(+)/H(+) Exchange Regulatory Cofactor NHE-RF3; Na/Pi Cotransporter C-Terminal-Associated Protein 1; Sodium-Hydrogen Exchanger Regulatory Factor 3; CFTR-Associated Protein Of 70 KDa; NHERF-3; CAP70; PDZD1; CLAMP; naPi-Cap1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTSTFNP RECKLSKQEG QNYGFFLRIE KDTEGHLVRV VEKCSPEAKA GLQDGDRVLR INGVFVDKEE HMQVVDLVRK SGNSVTLLVL DGDSYEKAVK TRVDLKELGQ SQKEQGLSDN ILSPVMNGGV QTWTQPRLCY LVKEGGSYGF SLKTVQGGK VYMTDITPQG VAMRAGVLAD DHLIEVNGEN VEDASHEEVV EKVKKSGSRV MFLLVDKETD KRHVEQKIQF KRETASLKLL PHQPRIVEMK KGSNGYGFYL RAGSEQKGQI IKDIDSGSPA EEAGLKNNDL VVAVNGESVE TLDHDSVVEM IRKGGDQTS L LVVDKETDNM YRLAHFSPFL YYQSQELPNG SVKEAPAPT TSLEVSSPPD TTEEVDHKPK LCRLAKGENG YGFHLNAIRG LPGSFIKEVQ KGGPADLAGL EDEDVIIIEVN GVNVLDEPYE KVDRIQSSG KNVTLVCGK KAYDYFQAKK IPIVSSLADP LDTPPDSKEG IVVESNHDSH MAKERAHSTA SHSSSNSEDT EM		
Formulation	PDZK1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM DTT.		

Introduction

PDZK1 is a PDZ domain-containing scaffolding protein which facilitates localization of cell surface proteins and has a key part in cholesterol metabolism by regulating the HDL receptor, scavenger receptor class B type 1. Single nucleotide polymorphism in this gene is linked to metabolic syndrome, and overexpression results in drug resistance of multiple myeloma.

Caution: Product has not been fully validated for medical applications. For research use only.

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Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

PDZK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 542 amino acids (1-519 a.a.) and having a molecular mass of 59.0kDa.

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