## 32-4426: Recombinant Human PDZ Domain Containing 1

Alternative PDZ Domain Containing 1,PDZ-Containing Kidney Protein 1, $\mathrm{Na}(+) / \mathrm{H}(+)$ Exchange Regulatory Cofactor Name : NHE-RF3,Na/Pi Cotransporter C-Terminal-Associated Protein 1,Sodium-Hydrogen Exchanger Regulatory Factor 3,CFTR-Associated Protein Of 70 KDa,NHERF-3,

## Description

Source : E.coli. 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.PDZK1 is fused to a 23 amino acid His-tag at N-terminus \& purified by proprietary chromatographic techniques. 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.

## Product Info

| Amount : | $20 \mu \mathrm{~g}$ |
| :---: | :---: |
| Purification : | Greater than $90 \%$ as determined by SDS-PAGE. |
| Content : | PDZK1 protein solution ( $1 \mathrm{mg} / \mathrm{ml}$ ) contains 20 mM Tris- HCl buffer, ( pH 8.0 ), $0.1 \mathrm{M} \mathrm{NaCl}, 0 \%$ glycerol and 1 mM DTT. |
| Storage condition : | Store at $4^{\circ} \mathrm{C}$ if entire vial will be used within $2-4$ weeks. Store, frozen at $-20^{\circ} \mathrm{C}$ 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. |
| Amino Acid : | 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 |



