

Product datasheet for **TP508307**

Pdzk1 (NM_021517) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse PDZ domain containing 1 (Pdzk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208307 protein sequence Red =Cloning site Green =Tags(s)

MASTFNPRECKLSKQEGQNYGFFLRIEKDTDGHILIRVIEEGSPAEEKAGLLDGDRVLRINGVFDKEEHAQ
VVELVRKSGNSVTLVLDGDSYEKAVKNQVDLKELDQSQREAAALNDKKPGPGMNGAVEPCAQPRLCYLVK
EGNSFGFSLKTIQGKKGVYLTDIMPGQVAMKAGVLADDHLIEVNGENVENASHEEVVEKVTKSGSRIMFL
LVDKETARCHSEQKTQFKRETASLKLPHQPRVVVIKKGSNGYGFYLRAGPEQKGGQIIKDIEPGSPAEEA
GLKNNDLVAVNGKSVEALDHDGVMIRKGGDQTLLVLDKEAESIYSLARFSPLLYCQSQELPNGSVK
EGPAPIPAPLEATGSEPTEDAEGHKPKLCRLLEDSDSYGFHLNAIRGQPGSFVKEVQQGGPADKAGLENE
DVIIENVGENVQEEPYDRVVERIKSSGKHVTLVCGKMAYSFYQAKKIPVSSMAEPLVAGPDEKGETSA
ESEHDAHPAKDRTLSTASHSSNSSEDETEM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	56.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_067492



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Locus ID:	59020
UniProt ID:	Q9JIL4 , A0A0R4J1V0
RefSeq Size:	2435
Cytogenetics:	3 F2.1
RefSeq ORF:	1560
Synonyms:	1700023D20Rik; 2610507N21Rik; 4921513F16Rik; AI267131; AI314638; AL022680; D3ErtD537e
Summary:	<p>A scaffold protein that connects plasma membrane proteins and regulatory components, regulating their surface expression in epithelial cells apical domains. May be involved in the coordination of a diverse range of regulatory processes for ion transport and second messenger cascades. In complex with SLC9A3R1, may cluster proteins that are functionally dependent in a mutual fashion and modulate the trafficking and the activity of the associated membrane proteins. May play a role in the cellular mechanisms associated with multidrug resistance through its interaction with ABCC2 and PDZK1IP1. May potentiate the CFTR chloride channel activity (By similarity). Required for normal cell-surface expression of SCARB1. Plays a role in maintaining normal plasma cholesterol levels via its effects on SCARB1. Plays a role in the normal localization and function of the chloride-anion exchanger SLC26A6 to the plasma membrane in the brush border of the proximal tubule of the kidney. May be involved in the regulation of proximal tubular Na(+)-dependent inorganic phosphate cotransport therefore playing an important role in tubule function.[UniProtKB/Swiss-Prot Function]</p>