Recombinant Human PDZD3 293 Cell Lysate

Cat. No. PDZD3-3314HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for PDZ domain containing 3 (PDZD3), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PDZD3 PDZ domain containing 3 [Homo sapiens]
Official Symbol	PDZD3
Synonyms	PDZD3; PDZ domain containing 3; PDZ domain containing 2 , PDZK2; Na(+)/H(+) exchange regulatory cofactor NHE-RF4; FLJ22756; IKEPP; NHERF-4; naPi-Cap2; PDZ domain containing 2; PDZ domain-containing protein 2; PDZ domain-containing protein 3; intestinal and kidney enriched PDZ protein; intestinal and kidney-enriched PDZ protein; sodium-hydrogen exchanger regulatory factor 4; na/Pi cotransporter C-terminal-associated protein 2; natrium-phosphate cotransporter IIa C-terminal-associated protein 2; PDZK2; NHERF4;
Gene ID	79849
mRNA Refseq	NM_001168468
Protein Refseq	NP_001161940
MIM	607146
UniProt ID	Q86UT5
Chromosome Location	11q23.3

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Function	guanylate cyclase inhibitor activity; ion channel inhibitor activity; protein C-terminus binding; protein binding;

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