Recombinant Human PGBD3 293 Cell Lysate

Cat. No. PGBD3-3259HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for piggyBac transposable element derived 3 (PGBD3) 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	PGBD3 piggyBac transposable element derived 3 [Homo sapiens]
Official Symbol	PGBD3
Synonyms	PGBD3; piggyBac transposable element derived 3; piggyBac transposable element-derived protein 3; FLJ90201;
Gene ID	267004
mRNA Refseq	NM_170753
Protein Refseq	NP_736609
UniProt ID	Q8N328
Chromosome Location	10q11
Pathway	DNA Repair, organism-specific biosystem; Dual incision reaction in TC-NER, organism-specific biosystem; Formation of transcription-coupled NER (TC-NER) repair complex, organism-specific biosystem; Gene Expression, organism-specific biosystem; Nucleotide Excision Repair, organism-specific biosystem; RNA Polymerase I Promoter Clearance, organism-specific biosystem; RNA Polymerase I Transcription, organism-specific biosystem;

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