Recombinant Human JUP 293 Cell Lysate

Cat. No. JUP-5094HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for junction plakoglobin (JUP), transcript variant 1 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	JUP junction plakoglobin [Homo sapiens]
Official Symbol	JUP
Synonyms	JUP; junction plakoglobin; catenin (cadherin associated protein), gamma 80kDa , CTNNG; DP3; DPIII; PDGB; PKGB; catenin gamma; desmoplakin-3; gamma-catenin; desmoplakin III; catenin (cadherin-associated protein), gamma 80kDa; catenin (cadherin-associated protein), gamma (80kD); CTNNG; ARVD12;
Gene ID	3728
mRNA Refseq	NM_002230
Protein Refseq	NP_002221
MIM	173325
UniProt ID	P14923
Chromosome Location	17q21
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adherens junctions interactions, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; Arrhythmogenic right ventricular

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	cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Cell junction organization, organism-specific biosystem;
Function	RPTP-like protein binding; alpha-catenin binding; cadherin binding; protein binding; protein homodimerization activity; protein kinase binding; protein phosphatase binding; structural constituent of cell wall; structural molecule activity; transcription coactivator activity;

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