

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; DPLI; 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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