

Recombinant Human GJB3 293 Cell Lysate

Cat. No. GJB3-5919HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for gap junction protein, beta 3, 31kDa (GJB3), 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	GJB3 gap junction protein, beta 3, 31kDa [Homo sapiens]
Official Symbol	GJB3
Synonyms	GJB3; gap junction protein, beta 3, 31kDa; DFNA2, EKV, erythrokeratoderma variabilis , gap junction protein, beta 3, 31kD (connexin 31) , gap junction protein, beta 3, 31kDa (connexin 31); gap junction beta-3 protein; connexin 31; CX31; connexin-31; EKV; DFNA2; DFNA2B; FLJ22486; MGC102938;
Gene ID	2707
mRNA Refseq	NM_024009
Protein Refseq	NP_076872
UniProt ID	O75712
Chromosome Location	1p34
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Gap junction assembly, organism-specific biosystem; Gap junction trafficking, organism-specific biosystem; Gap junction trafficking and regulation, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;
Function	gap junction channel activity;

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