

Recombinant Human DGCR8 293 Cell Lysate

Cat. No. DGCR8-6962HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for DiGeorge syndrome critical region gene 8 (DGCR8) 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

DGCR8 DiGeorge syndrome critical region gene 8 [Homo sapiens]

Official Symbol

DGCR8

Synonyms

DGCR8; DiGeorge syndrome critical region gene 8; C22orf12, chromosome 22 open reading frame 12; microprocessor complex subunit DGCR8; DGCRK6; Gy1; pasha; DiGeorge syndrome critical region 8; C22orf12;

Gene ID

54487

mRNA Refseq

NM_001190326

Protein Refseq

NP_001177255

MIM

609030

UniProt ID

Q8WYQ5

**Chromosome
Location**

22q11.2

Pathway

Direct p53 effectors, organism-specific biosystem; Gene Expression, organism-specific biosystem; MicroRNA (miRNA) Biogenesis, organism-specific biosystem; Regulatory RNA pathways, organism-specific biosystem;

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Function

double-stranded RNA binding; metal ion binding; protein binding;

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