

Recombinant Human CD3G 293 Cell Lysate

Cat. No. CD3G-7675HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for CD3g molecule, gamma (CD3-TCR complex) (CD3G) 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 [CD3G CD3g molecule, gamma \(CD3-TCR complex\) \[Homo sapiens \]](#)

Official Symbol [CD3G](#)

Synonyms [CD3G](#); [CD3g molecule, gamma \(CD3-TCR complex\)](#); [CD3g antigen, gamma polypeptide \(TiT3 complex\)](#); [T-cell surface glycoprotein CD3 gamma chain](#); [T-cell receptor T3 gamma chain](#); [CD3g molecule, epsilon \(CD3-TCR complex\)](#); [T-cell antigen receptor complex, gamma subunit of T3](#); [T3G](#); [CD3-GAMMA](#); [FLJ17620](#); [FLJ17664](#); [FLJ79544](#); [FLJ94613](#); [MGC138597](#);

Gene ID [917](#)

mRNA Refseq [NM_000073](#)

Protein Refseq [NP_000064](#)

UniProt ID [P09693](#)

Chromosome Location [11q23](#)

Pathway [Adaptive Immune System, organism-specific biosystem](#); [CXCR4-mediated signaling events, organism-specific biosystem](#); [Chagas disease \(American trypanosomiasis\), organism-specific biosystem](#); [Chagas disease \(American trypanosomiasis\), conserved biosystem](#); [Costimulation by the CD28 family, organism-specific biosystem](#); [Downstream TCR signaling, organism-specific biosystem](#); [Downstream signaling in naive CD8+ T cells, organism-specific biosystem](#);

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Function

T cell receptor binding; protein heterodimerization activity; receptor activity; receptor signaling complex scaffold activity; transmembrane signaling receptor activity;

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