

Recombinant Human CD3G protein, Fc-tagged

Cat. No. CD3G-4903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD3G(Gln23 - Met103) fused with a C-terminal Fc from human IgG1 was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-103 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free).
Molecular Mass	Calculated molecular mass (kDa): 34.9; Estimated by SDS-PAGE under reducing condition (kDa): 45-50
AA Sequence	QSIKGNHLVK VYDYQEDGSV LLTCDAEAKN ITWFKDGKMI GFLTEDKKKKW NLGSNAKDPR GMYQCKGSQN KSKPLQVYYR MSTGTHTCPP CPAPELLGGP SVFLFPPKPK DTLMISRTPEVTCVVVDVSH EDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKAL PAPIEKTISK AKGQPREPQV YTLPPSREEM TKNQVSLTCL VKGFYPSDIAVEWESNGQPE NNYKTTTPVL DSDGSFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGK
Endotoxin	<0.1 EU per 1 µg of purified recombinant protein determined by the LAL method
Purity	>95% judged by SDS-PAGE under reducing condition

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Storage

The product is shipped at 4centigrade. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20centigrade for long-term storage and the product is stable for 6 months. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

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

MIM

UniProt ID P09693

Chromosome Location 11q23

Pathway Adaptive Immune System, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chagas disease (American trypanosomiasis),

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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;

Function

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

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