

Recombinant Human CD3G

Cat. No. CD3G-26368TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CD3G with proprietary tag; predicted MWt 35.42 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	89 amino acids
Description	The protein encoded by this gene is the CD3-gamma polypeptide, which together with CD3-epsilon, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency.
Molecular Weight	35.420kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QSIKGNHLVKVYDYQEDGSVLLTCDAEAKNITWFKDGKMIGFLTEDKKKWNLGSNA KDPRGMYQCKGSQNKSKPLQVYYRMCQNCIELN
Sequence Similarities	Contains 1 Ig-like (immunoglobulin-like) domain.Contains 1 ITAM domain.
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;
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),

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conserved biosystem; Costimulation by the CD28 family, 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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