CD3G (Human) Recombinant Protein

Catalog # P9641 Size 20 ug

Specification

Product Description	Human CD3G (P09693, 23 a.a. - 116 a.a.) partial recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSQSIKGNHLVKVYDYQEDGSVLLTCDAEAKNITWFKDGKMIG FLTEDKKKWNLGSNAKDPRGMYQCKGSQNKSKPLQVYYRMCQNCIELNAATIS
Host	Escherichia coli
Theoretical MW (kDa)	13.1
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (0.4 M Urea and 10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 2-4 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CD3G

Entrez GeneID	917

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Protein Accession#	P09693
Gene Name	CD3G
Gene Alias	CD3-GAMMA, FLJ17620, FLJ17664, FLJ79544, FLJ94613, MGC138597, T3G
Gene Description	CD3g molecule, gamma (CD3-TCR complex)
Omim ID	186740
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	CD3G antigen, gamma polypeptide|CD3g antigen, gamma polypeptide (TiT3 complex)|T-cell antigen receptor complex, gamma subunit of T3|T-cell receptor T3 gamma chain|T-cell surface glycoprotein CD3 gamma chain

Pathway

- Hematopoietic cell lineage
- T cell receptor signaling pathway

Disease

- Arthritis
- Celiac Disease
- Genetic Predisposition to Disease

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