

AR50824PU-S**Human CD3 gamma chain (23-116, His-tag) - Purified****Alternate names:**

CD3G, T-cell surface glycoprotein CD3 gamma chain, T3G

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[P09693](#)**NCBI:**[NP_000064](#)**GeneID:**[917](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol**Description:**

Recombinant human CD3G protein, fused to His-tag at N-terminus, was expressed in E.coli.

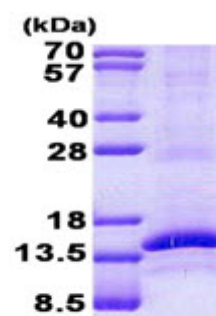
AA Sequence:MGSSHHHHH SGLVPRGSH MGSQSIKGNH LVKVYDYQED GSVLLTCDAE AKNITWFKDG
KMIGFLTEDK KKWNLGSAK DPRGMYQCKG SQNKSPLQV YYRMCQNCIE LNAATIS**Molecular weight:** 13.1 kDa (117aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Kjer-Nielsen L., et al. (2004) Proc. Natl. Acad. Sci. U.S.A. 101:7675-7680
Tao W.A., et al. (2005) Nat. Methods. 2:591-598

Pictures:



15% SDS-PAGE (3ug)