

CD3G, human recombinant

CATALOG #: 7313-100 100 µg

ALTERNATE NAMES: CD3g molecule, gamma (CD3-TCR complex), CD3-GAMMA, T3G

SOURCE: E. coli

PURITY: > 90% by SDS-PAGE

MOL. WEIGHT: 13.1 kDa (117 aa, 23-116 aa + His tag), confirmed by MALDI-TOF.

ENDOTOXIN LEVEL: < 1.0 EU per 1 µg of protein

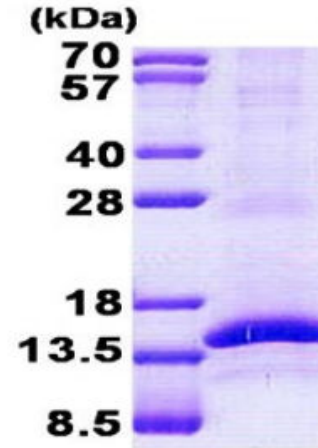
FORM: Liquid

FORMULATION: 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea and 10% glycerol.

STORAGE CONDITIONS: Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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

AMINO ACID SEQUENCE: MGSSHHHHHH SSGLVPRGSH MGSQSIKGNH
 LVKVYDYQED GSVLLTCDAE AKNITWFKDG KMIGFLTEDK KKWNLGSSNAK
 DPRGMYQCKG SQNKSPLQV YYRMCQNCIE LNAATIS



15% SDS-PAGE (3µg)
 CD3G, human recombinant

- RELATED PRODUCTS:**
- CD1E, human recombinant (Cat. No. 7308-100)
 - CD200, human recombinant (Cat. No. 7309-100)
 - CD226, human recombinant (Cat. No. 7310-100)
 - CD274, mouse recombinant (Cat. No. 7311-100)
 - CD300C, human recombinant (Cat. No. 7312-100)
 - CD46, human recombinant (Cat. No. 7314-100)
 - CD5, human recombinant (Cat. No. 7315-100)
 - CD7, human recombinant (Cat. No. 7316-100)
 - CD74, human recombinant (Cat. No. 7317-100)
 - CD79B, human recombinant (Cat. No. 7318-100)
 - CD84, human recombinant (Cat. No. 7319-100)
 - CD8B, human recombinant (Cat. No. 7320-100)

FOR RESEARCH USE ONLY! Not to be used in humans.