

**CD3G, 23-116aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP01511**

3th Edition

**Synonyms:**T-cell surface glycoprotein CD3 gamma chain, CD3G, CD3-GAMMA, IMD17, T3G

**Description:**CD3G, also known as T-cell surface glycoprotein CD3 gamma chain, is associated on the T cell surface with a complex of protein called CD3. The protein 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. Defects in this gene are associated with T cell immunodeficiency. Recombinant human CD3G protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**11.8kDa (103aa) 13.5-18KDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADPQSIKGNHLVKVYDYQEDGSVLLTCDAEAKNITWFKDGKMIGFLTEDKKKWNLGSNAKDPRGMYQCKGGSQNKS  
KPLQVYYRMCQNCIELNAATISHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**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.