

## 32-13075: CD3G Human

**Alternative Name :** T-cell surface glycoprotein CD3 gamma chain, CD3-GAMMA, T3G, CD3G

### Description

Source: Sf9, Insect cells.

Sterile Filtered clear solution.

CD3-gamma polypeptide is encoded by CD3 Gamma (CD3G) which together with CD3-epsilon, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, configures the T-cell receptor-CD3 complex. The T-cell receptor-CD3 complex takes part in coupling antigen recognition to numerous intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Deficiencies in this gene are associated with T cell immunodeficiency.

CD3G Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 103 amino acids (23-116 a.a.) and having a molecular mass of 11.8kDa (Molecular size on SDS-PAGE will appear at approximately 13.5-18kDa). CD3G is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	1 µg / 5 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	CD3G protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	ADPQSIKGNH LVKVYDYQED GSVLLTCDAE AKNITWFKDG KMIGFLTEDK KKWNLGSSNAK DPRGMYQCKG SQNKSKPLQV YYRMCQNCIE LNAATISHHH HHH.