9051 Mira Mesa Blvd, #910094
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# CD3G Human

*CD3G Human Recombinant*
*CDA0068*

## Product Overview

| | |
|---|---|
| Name | CD3G Human |
| **Description** | |
| CD3G Human Recombinant | |
| Accession (Primary) | P09693 |
| **Synonyms** | |
| T-cell surface glycoprotein CD3 gamma chain, CD3-GAMMA, T3G, CD3G. | |
| **Introduction** | |
| 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. | |
| **Source** | |
| E.coli. | |
| **Physical Appearance** | |
| Sterile Filtered colorless solution. | |
| **Formulation** | |
| CD3G protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol. | |
| **Stability** | |
| 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. | |
| **Purity** | |
| Greater than 90% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGS QSIKGNH LVKVYDYQED GSVLLTCDAE AKNITWFKDG KMIGFLTEDK KKWNLGSNAK DPRGMYQCKG SQNKSKPLQV YYRMCQNCIE LNAATIS. | |
| **Precautions** | |
| CD3G Human is for research use only and not for use in diagnostic or therapeutic procedures. | |

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# Target Information: ( P09693 )