
Product Data Sheet

Product Name: CD3G Human
 Cat. No.: GP23006
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	T-cell surface glycoprotein CD3 gamma chain; CD3-GAMMA; T3G; CD3G		
Amino Acid Sequence	ADPQSIKGNH LVKVYDYQED GSVLLTCDAE AKNITWFKDG KMIGFLTEDK KKWNLGSSNAK DPRGMYQCKG SQNKSKPLQV YYRMCQNCIE LNAATISHHH HHH.		
Formulation	CD3G protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

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.

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.

Background

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

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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proprietary chromatographic techniques.

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