Human CD3G/CD3 gamma Protein

Cat. No. CDG-HM101

Description

Source	Recombinant Human CD3G/CD3 gamma Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Gln23-Ser116.
Accession	P09693
Molecular Weight	The protein has a predicted MW of 12.31 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

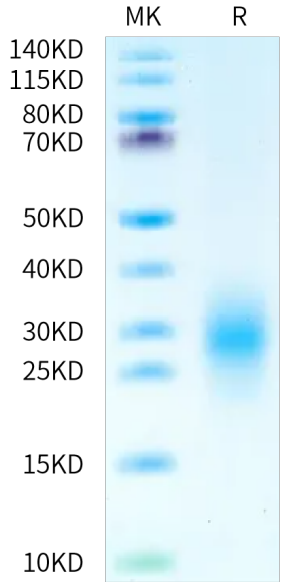
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3-6 months after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD3 gamma, a subunit of the T cell receptor-CD3 (TCR/CD3) complex, helps to support surface TCR/CD3 expression and participates in signal transduction for gene induction after antigen recognition by T lymphocytes, and in TCR/CD3 down-modulation.

Assay Data

Bis-Tris PAGE



Human CD3G on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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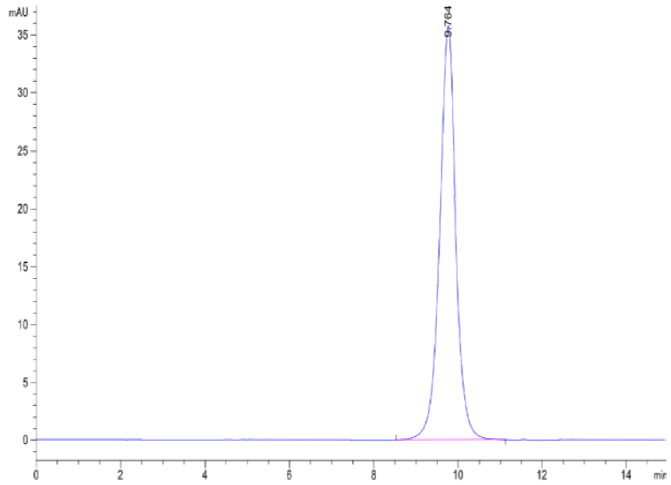
Assay Data



The purity of Human CD3G is greater than 95% as determined by SEC-HPLC.