PRODUCT INFORMATION

Target	CD3G
Synonyms	T3G; IMD17; CD3GAMMA; CD3-GAMMA
Description	Recombinant human CD3G Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P09693
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	CD3G(Gln23-Ser116) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 36.8 kDa after removal of the signal peptide. The apparent molecular mass of CD3G-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene 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. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. Defects in this gene are associated with T cell immunodeficiency. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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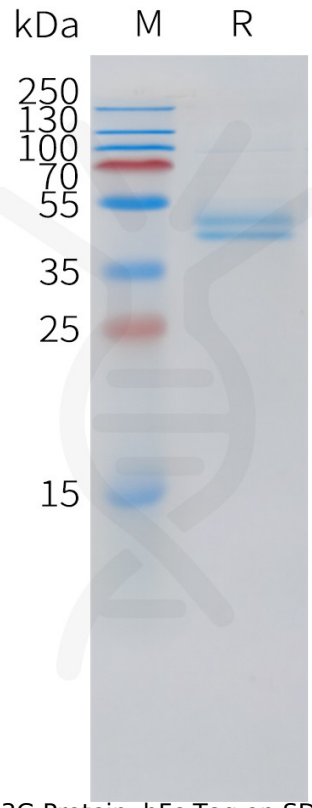


Figure 1. Human CD3G Protein, hFc Tag on SDS-PAGE under reducing condition.

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