

CD3E & CD3G Heterodimer Protein, Human, Recombinant (Fc)

General Information

Synonyms:	CD3e molecule, epsilon (CD3-TCR complex); CD3e molecule, ϵ (CD3-TCR complex); CD3E & CD3G Heterodimer; T3E; TCRE; IMD18
Protein Construction:	A DNA sequence encoding the human CD3E (NP_000724.1) (Met1-Asp126) was fused with the Fc region of Llama IgG2b at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the human CD3G (NP_000064.1) (Met1-Ser113) was fused with the Fc region of Llama IgG2b at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the human CD3E/CD3G heterodimer was purified. Predicted N terminal: Asp 23 & Gln 23
Species:	Human
Expression Host:	HEK293 Cells
Accession:	NP_000724.1&NP_000064.1
Molecular Weight:	78.4 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	< 0.01 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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