

CD3E & CD3G Heterodimer Protein, Human, Recombinant (Fc-Flag & mFc)

General Information

Synonyms:	T3E;TCRE;CD3e molecule, epsilon (CD3-TCR complex);IMD18;CD3E & CD3G Heterodimer;CD3e molecule, ϵ (CD3-TCR complex)
Protein Construction:	A DNA sequence encoding the extracellular domain (Met1-Asp126) of human CD3E (NP_000724.1) was fused with the C-terminal FLAG-tagged Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the extracellular domain (Met1-Ser116) of human CD3G (NP_000064.1) was fused the Fc region of mouse IgG1 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:	76.9 kDa (predicted); 42-47 kDa (reducing condition, due to glycosylation)

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:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 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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