

RP01178

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Recombinant Human CD3 epsilon Protein

Catalog No.: RP01178

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	916	P07766

Tags

C-His

Synonyms

CD3E;IMD18;T3E;TCRE;CD3e molecule

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description

Recombinant Human CD3 epsilon Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Asp126) of Human CD3 epsilon (Accession #NP_000724.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Anti-CD3 epsilon/CD3e Antibody at 1:3000 (100 μL/well) can bind recombinant Human CD3E, the EC₅₀ of Human CD3E is 0.48 ng/mL.

Storage

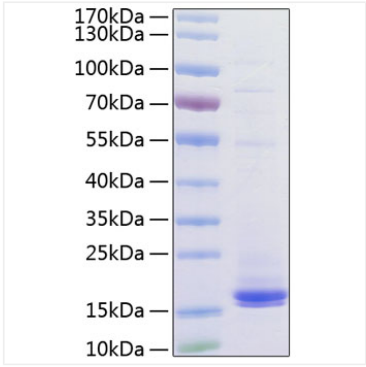
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

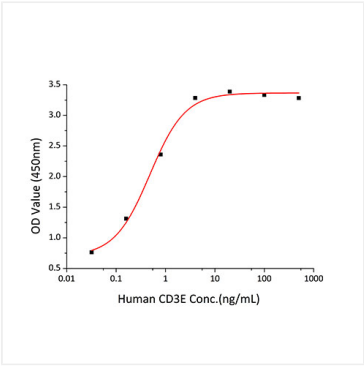


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Validation Data



Active Recombinant Human CD3 epsilon/CD3E Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18-20 kDa..



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