

Catalog No.: RP01178 **Recombinant**

Species	Gene ID	Swiss Prot
Human	916	P07766

C-His

CD3E:IMD18:T3E:TCRE:CD3e molecule

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE

15.00 kDa 18-20 kDa

< 1 EU/μg of the protein by LAL method.

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

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.

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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 6xHis tag at the C-terminus.

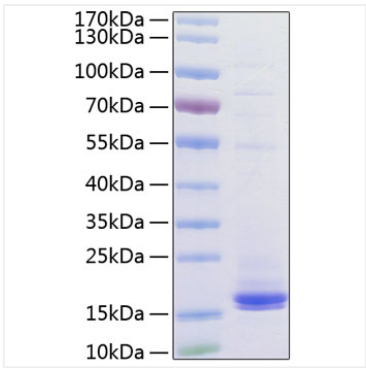
Measured by its binding ability in a functional ELISA. Immobilized Anti-CD3 epsilon/CD3e Antibody at 1:3000 (100 μ L/well) can bind recombinant Human CD3E, the EC_{50} of Human CD3E is 0.48 ng/mL.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

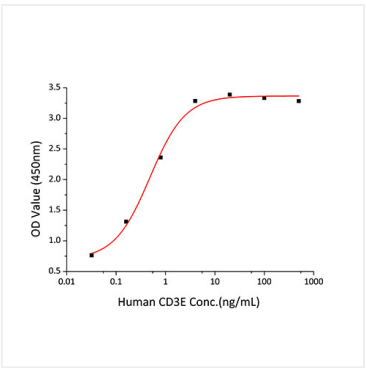
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human CD3 epsilon Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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