Recombinant Human CD3 epsilon Protein

Catalog No.: RP01178

Sequence Information

Species
Human

Gene ID
916

Swiss Prot
P07766

Tags
C-His

Synonyms
CD3E,IMD18,T3E,TCRE,CD3e molecule

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
15.00 kDa

Observed MW
15-25 kDa

Endotoxin
< 1 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 stablizer (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.

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 EC_{50} of Human CD3E is 0.48 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

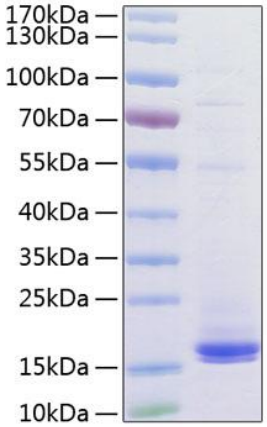
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

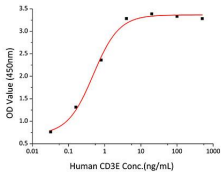
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Validation Data



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



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