

Recombinant Rat CD3e Protein, Fc-tagged

Cat. No. CD3e-1115R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Cd3e (NP_001101610.1) (Tyr24-Asp103) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	24-103 a.a.
Predicted N Terminal	Tyr 24
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant rat Cd3e consists 318 amino acids and predicts a molecular mass of 36.1 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Cd3e CD3 molecule, epsilon [*Rattus norvegicus*]

Official Symbol CD3e

Synonyms CD3E; CD3 molecule, epsilon; T-cell surface glycoprotein CD3 epsilon chain; CD3 antigen, epsilon polypeptide; CD3 molecule, epsilon polypeptide;

Gene ID 315609

mRNA Refseq NM_001108140

Protein Refseq NP_001101610

MIM

UniProt ID

Pathway

Adaptive Immune System, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Dow

Function

SH3 domain binding; SH3 domain binding; molecular_function; protein heterodimerization activity; protein heterodimerization activity; signal transducer activity; signal transducer activity; transmembrane signaling receptor activity;

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