

Recombinant Mouse Cd3e Protein, His&GST-tagged

Cat. No. Cd3e-674M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cd3e Protein (Ser32-Arg174) with His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser32-Arg174
Description	Predicted to enable several functions, including SH3 domain binding activity; identical protein binding activity; and protein heterodimerization activity. Involved in nervous system development and positive regulation of cell adhesion. Acts upstream of or within several processes, including positive regulation of T cell activation; positive regulation of cytokine production; and regulation of signal transduction. Located in several cellular components, including dendritic spine; external side of plasma membrane; and immunological synapse. Part of alpha-beta T cell receptor complex. Is expressed in colon and hemolymphoid system. Human ortholog(s) of this gene implicated in immunodeficiency 18. Orthologous to human CD3E (CD3e molecule).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.13 kDa; Accurate Molecular Mass: 46 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Cd3e CD3 antigen, epsilon polypeptide [Mus musculus (house mouse)]
Official Symbol	Cd3e
Synonyms	CD3E; CD3 antigen, epsilon polypeptide; T-cell surface glycoprotein CD3 epsilon chain; T-cell surface antigen T3/Leu-4 epsilon chain; CD3; T3e; AI504783; CD3epsilon;
Gene ID	12501
mRNA Refseq	NM_007648
Protein Refseq	NP_031674
UniProt ID	P22646

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