

Recombinant Chicken CD3D Protein, His-tagged

Cat. No. CD3D-672C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken CD3D Protein (Leu26-Lys175) with His tag was expressed in E. coli.
Species	Chicken
Source	E.coli
ProteinLength	Leu26-Lys175
Description	The protein encoded by this gene is part of the T-cell receptor/CD3 complex (TCR/CD 3 complex) and is involved in T-cell development and signal transduction. The encoded membrane protein represents the delta subunit of the CD3 complex, and along with four other CD3 subunits, binds either TCR alpha/beta or TCR gamma/delta to form the TCR/CD3 complex on the surface of T-cells. Defects in this gene are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (SCIDBNK). Two transcript variants encoding different isoforms have been found for this gene. Other variants may also exist, but the full-length nature of their transcripts has yet to be defined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.4 kDa; Accurate Molecular Mass: 20 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	CD3D CD3d molecule [Gallus gallus (chicken)]
Official Symbol	CD3D
Synonyms	CD3D; CD3d molecule; CD3; T-cell surface glycoprotein CD3 delta chain; CD3 glycoprotein; CD3 type I transmembrane glycoprotein; CD3D antigen delta; CD3D antigen, delta polypeptide (TiT3 complex); CD3d molecule, delta (CD3-TCR complex); T-cell surface protein
Gene ID	396518
mRNA Refseq	NM_205512
Protein Refseq	NP_990843

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UniProt ID

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