

Recombinant Cynomolgus monkey CD3D Protein, His-tagged

Cat. No. CD3D-136C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey CD3D protein with His tag was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	171
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 natures of their transcripts has yet to be defined.
Form	Lyophilized
Molecular Mass	14.3 kDa
AA Sequence	MEHSTFLSGLVLATLLSQVSPFKIPVEELEDRVFVKCNTSVTWVEGTGTLTNNTRL DLGKRILDPRGIYRCNGTDIYKDKESAVQVHYRMCQNCVELDPATLAGIIVTDVIATLL

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LALGVFCFAGHETGRLSGAADTQALLRNDQVYQPLRDRDDAQYSRLGGNWARNK

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name CD3D CD3d molecule, delta (CD3-TCR complex) [*Macaca mulatta* (Rhesus monkey)]

Official Symbol CD3D

Synonyms CD3D; CD3d molecule, delta (CD3-TCR complex); T-cell surface glycoprotein CD3 delta chain;

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Gene ID	699582
mRNA Refseq	XM_015115818
Protein Refseq	XP_014971304
UniProt ID	Q95LI8

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