PRODUCT INFORMATION

Target	CD3D
Synonyms	T-cell surface glycoprotein CD3 delta chain;T-cell receptor T3 delta chain
Description	Recombinant human CD3D protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P04234
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	CD3D(Phe22-Ala105) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 10.4 kDa after removal of the signal peptide. The apparent molecular mass of CD3D-His is approximately 15-25 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is part of the T-cell receptor/CD3 complex (TCR/CD3 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. [provided by RefSeq, Feb 2009]
Usage	Research use only
Conjugate	Unconjugated

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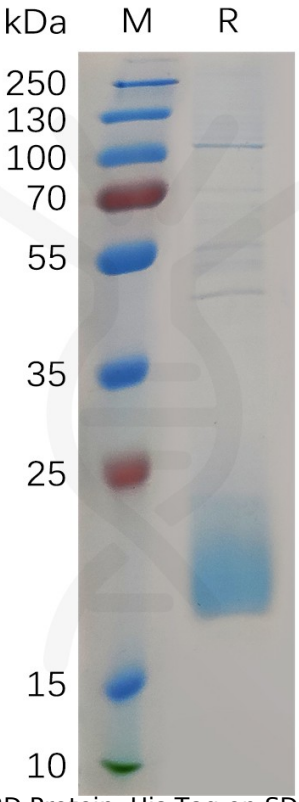

Figure 1. Human CD3D Protein, His Tag on SDS-PAGE under reducing condition.

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