

Recombinant Human CD3D Protein

Cat. No. CD3D-0799H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD3D full-length ORF (NP_000723.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Feb 2009]
Form	Liquid
Molecular Mass	18.9 kDa
AA Sequence	MEHSTFLSGLVLATLLSQVSPFKIPIEELEDVFNVCNTSITWVEGTVGTLLSDITRLD LGKRILDPRGIYRCNGTDIYKDKESTVQVHYRMCQSCVELDPATVAGIIVTDVIATLLL ALGVFCFAGHETGRLSGAADTQALLRNDQVYQPLRDRDDAQYSHLGGNWARNK
Applications	Antibody Production

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	Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
GENE INFORMATION	
Gene Name	CD3D CD3d molecule, delta (CD3-TCR complex) [Homo sapiens]
Official Symbol	CD3D
Synonyms	CD3D; CD3d molecule, delta (CD3-TCR complex); CD3d antigen, delta polypeptide (TiT3 complex), T3D; T-cell surface glycoprotein CD3 delta chain; CD3 delta; OKT3, delta chain; CD3 antigen, delta subunit; T-cell receptor T3 delta chain; CD3d antigen, delta polypeptide (TiT3 complex); T3D; CD3-DELTA;
Gene ID	915
mRNA Refseq	NM_000732
Protein Refseq	NP_000723
MIM	186790
UniProt ID	P04234

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