

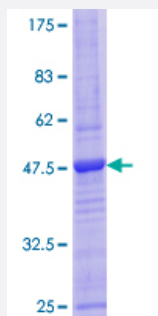
## Full-Length

# CD3D (Human) Recombinant Protein (P01)

Catalog # H00000915-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human CD3D full-length ORF ( NP_000723.1, 1 a.a. - 171 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MEHSTFLSGLVLATLLSQVSPFKIPIEELEDVFNVCNTSITWVEGTVGTLLSDITRLDLGKRILDPR GIYRCNGTDIYKDKESTVQVHYRMCQSCVELDPATVAGIMTDVIATLLLALGVFCFAGHETGRLSG AADTQALLRNDQVYQPLRDRDDAQYSHLGGNWARNK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	45.3
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CD3D

Entrez GeneID [915](#)

GeneBank Accession# [NM\\_000732.4](#)

Protein Accession# [NP\\_000723.1](#)

Gene Name CD3D

Gene Alias CD3-DELTA, T3D

Gene Description CD3d molecule, delta (CD3-TCR complex)

Omim ID [186790 600802](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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 nature of their transcripts has yet to be defined. [provided by RefSeq]

**Other Designations** CD3D antigen, delta polypeptide|CD3d antigen, delta polypeptide (TiT3 complex)|T-cell receptor T3 delta chain|T-cell surface glycoprotein CD3 delta chain

## Pathway

- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)