CD3D (Human) Recombinant Protein

Catalog # P9639 Size 2 x 10 ug

Specification

Product Description	Human CD3D (P04234, 22 a.a. - 105 a.a.) partial recombinant protein with hIgG-His tag at C-terminus expressed in Sf9 cells.
Sequence	FKIPIEELEDRVFVNCNTSITWVEGTVGTLLSDITRLDLGKRILDPRGIYRCNGTDIYKDKESTVQVHY RMCQSCVELDPATVALEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVV VDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNK ALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYK TTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH
Host	insect
Theoretical MW (kDa)	36.5
Form	Liquid
Preparation Method	Sf9 cell expression system
Purity	> 90.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 2-4 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CD3D

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Entrez GeneID	915
Protein Accession#	P04234
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 re presents the delta subunit of the CD3 complex, and along with four other CD3 subunits, binds eith er 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-c ell-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
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

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