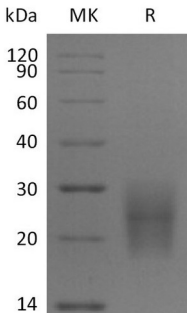
Product Name: Recombinant Human CD3D (C-6His)
Catalog #: PHH1987

Summary

Name	CD3D/CD3 delta/T-cell surface glycoprotein CD3 delta chain
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human T-Cell Surface Glycoprotein CD3 Delta/CD3D is produced by our Mammalian expression system and the target gene encoding Phe22-Ala105 is expressed with a 6His tag at the C-terminus.
Accession #	P04234
Host	Human Cells
Species	Human
Predicted Molecular Mass	10.59 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names	T-Cell Surface Glycoprotein CD3 Delta Chain; T-Cell Receptor T3 Delta Chain; CD3D; T3D
Background	CD3D is a single-pass type I membrane protein which Contains 1 ITAM domain. T cell receptor-CD3 complex (TCR/CD3 complex) is involved in T-cell development and several intracellular signal-transduction pathways. This complex is critical for T-cell development and function, and represents one of the most complex transmembrane receptors. The T cell receptor-CD3 complex is unique in having ten cytoplasmic immunoreceptor tyrosine-based activation motifs (ITAMs). Defects in CD3D are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T-B+NK+ SCID), which is a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels.

Note

For Research Use Only , Not for Diagnostic Use.