

Recombinant Human CD3D Protein (Full Length), Tag free

Product Information

Cat	IMP-9183
Official Symbol	CD3D
Product Overview	Human CD3D full-length ORF (NP_000723.1) recombinant protein without tag was expressed in Wheat Germ (in vitro).
Description	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.
Expression System	Wheat Germ (in vitro)
Species	Human
Tag	Tag free
Form	Liquid, 25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	18.9 kDa
Protein length	Full Length
AA Sequence	MEHSTFLSGLVLATLLSQVSPFKIPIEELEDRVFNVCNNTSITWVEGTVGTL SDITRLDLGKRILDPRGIYRCNGTDIYKDKESTVQVHYRMCQSCVELDPAT VAGIIVTDVIATLLLALGVFCFAGHETGRLSGAADTQALLRNDQVYQPLRD RDDAQYSHLGGNWARNK
Applications	Antibody Production
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.