

Product datasheet for **TP724494**

Human CD3D Protein, His Tag & Human CD3E Protein, hFc Tag

Product data:

Product Type:	Recombinant Proteins
Description:	Human CD3D Protein, His Tag & Human CD3E Protein, hFc Tag
Expression Host:	HEK293
Tag:	C-6×His tag and C-Human Fc
Predicted MW:	The protein has a predicted molecular mass of 10.4 & 37.9 kDa after removal of the signal peptide. The apparent molecular mass of CD3D-His & CD3E-hFc is approximately 35-55 kDa due to glycosylation.
Purity:	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Reconstitution Method:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Stability:	12 months from date of despatch
Summary:	T-cell surface glycoprotein CD3 delta & CD3 epsilon chain, also known as CD3D & CD3E or CD3D&CD3E respectively, are single-pass type I membrane proteins. CD3D, together with CD3- epsilon(CD3E) , CD3-gamma and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. T cell receptor-CD3 complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways.



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