

Datasheet for ABIN7273392

CD3 epsilon Protein (CD3E) (HRP,His tag)



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Overview

Quantity:	200 µg
Target:	CD3 epsilon (CD3E)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD3 epsilon protein is labelled with HRP,His tag.

Product Details

Purpose:	HRP-Human CD3 epsilon Protein, His Tag
Sequence:	Asp 23 - Asp 126
Characteristics:	HRP-Human CD3 epsilon, His Tag (CDE-HR2H4) is expressed from human 293 cells (HEK293). It contains AA Asp 23 - Asp 126 (Accession # P07766-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD3 epsilon (CD3E)
Alternative Name:	CD3 epsilon (CD3E Products)
Background:	Synonyms:FLJ18683,T3E,TCRE,CD3E,CD3-epsilon,Description:CD3e molecule, epsilon is also known as CD3E, is a T-cell surface single-pass type I membrane glycoprotein. CD3E contains 1 Ig-like (immunoglobulin-like) domain and 1 ITAM domain. CD3E, together with CD3-gamma,

Target Details

CD3-delta and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. CD3E plays an essential role in T-cell development, and defects in CD3E gene cause severe immunodeficiency. CD3E gene has also been linked to a susceptibility to type I diabetes in women. CD3E has been shown to interact with TOP2B, CD3EAP and NCK2.

Molecular Weight:	12.6 kDa
NCBI Accession:	NP_000724
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 12.6 kDa.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C, avoid light