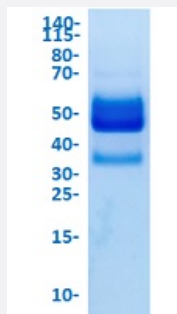


Bioactive

## CD3E (Human) Recombinant Protein

Catalog # P6738      Size 100 ug

### Applications



### Result of activity analysis

Result of activity analysis

### Specification

<b>Product Description</b>	Human CD3E (P07766, 23 a.a. - 126 a.a.) C119S, C222S mutant partial recombinant protein with a hFc tag at the C-terminus expressed in mammalian cells.
<b>Host</b>	Human
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell expression system
<b>Purification</b>	Protein A purification
<b>Purity</b>	> 95% (determined by SDS-PAGE)
<b>Endotoxin Level</b>	< 1 EU/ug of protein (determined by LAL method)

Activity	Immobilized human CD3E at 1 ug/mL (100 uL/well). Dose response curve for Anti-CD3 Ab. with the EC <sub>50</sub> of 0.1 ug/mL determined by ELISA.
Quality Control Testing	Tris-Bis PAGE under reduced condition.
Recommend Usage	Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4 (5% Trehalose).
Storage Instruction	Store at -80°C on dry atmosphere, lyophilized antibodies are stable at least 2 years. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

## Applications

- SDS-PAGE

## Gene Info — CD3E

Entrez GeneID	<a href="#">916</a>
Protein Accession#	<a href="#">P07766</a>
Gene Name	CD3E
Gene Alias	FLJ18683, T3E, TCRE
Gene Description	CD3e molecule, epsilon (CD3-TCR complex)
Omim ID	<a href="#">186830</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -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. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq]

**Other Designations**

CD3-epsilon|CD3E antigen, epsilon polypeptide|CD3e antigen, epsilon polypeptide (TiT3 complex)|T-cell antigen receptor complex, epsilon subunit of T3|T-cell surface antigen T3/Leu-4 epsilon chain|T-cell surface glycoprotein CD3 epsilon chain

**Pathway**

- [Hematopoietic cell lineage](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

**Disease**

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)