

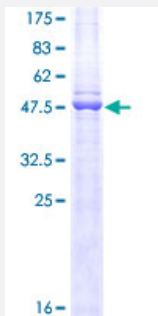
Full-Length

CD3E (Human) Recombinant Protein (P01)

Catalog # H00000916-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CD3E full-length ORF (AAH49847.1, 23 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILWQRNDKNIGGDEDDKNIGSDEDHLSLKEFSE LEQSGYYVCYPRGSKPEDANFYLYLRARVCENCMEMDVMSVATVVDICITGGLLLLVIYWSKNR KAKAKPVTRGAGAGGRQGRGQNKERPPVPNPDIPIRKGQRDLISGLNQRRRI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.09
Interspecies Antigen Sequence	Mouse (65); Rat (61)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CD3E

Entrez GeneID [916](#)

GeneBank Accession# [BC049847](#)

Protein Accession# [AAH49847.1](#)

Gene Name CD3E

Gene Alias FLJ18683, T3E, TCRE

Gene Description CD3e molecule, epsilon (CD3-TCR complex)

Omim ID [186830](#)

Gene Ontology [Hyperlink](#)

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](#)