

Proteoliposomes

Full-Length

CD3E (Human) Recombinant Protein

Catalog # H00000916-G01

Size 2 ug

Specification

Product Description

Human CD3E full-length ORF (NP_000724.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MQSGTHWRVLGLCLLSVGWVGQDGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILWQHNDKNI
GGDEDDKNIGSDEDHLSLKEFSELEQSGYYVCYPRGSKPEDANFYLYLRARVCENCMEMDVMS
VATIVDICTGGLLLL VYWSKNRKAKAKPVTRGAGAGGRQRGQNKERPPPVNPDYEPIRKGQ
RDLYSGLNQRRRI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

23.1

Interspecies Antigen Sequence

Mouse (59); Rat (57)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

- Antibody Production

Gene Info — CD3E

Entrez GeneID [916](#)

GeneBank Accession# [NM_000733.2](#)

Protein Accession# [NP_000724.1](#)

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](#)