

CD3E recombinant protein

CD3E, 23-126aa, Human, His tag, E Coli

CATALOG # AAA48801	HOST E Coli	APPLICATIONS SDS-Page
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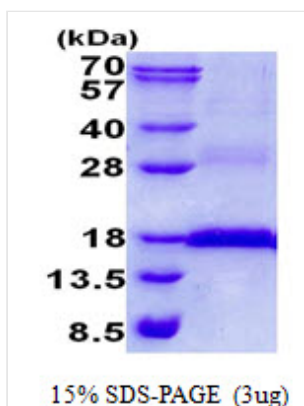
PRODUCT SYNONYMS

CD3E; 23-126aa; Human; His tag; E Coli; T-cell surface glycoprotein CD3 epsilon chain; T3E; TCRE; CD3E recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.2M NaCl, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSDGNEEMG GITQTPYKVS ISGTTVILTC PQYPGSEILW QHNDKNIGGD EDDKNIGSDE DHLSLKEFSE LEQSGYYVCY PRGSKPEDAN FYLYLRARVC ENCMEMD
Sequence Length	207
Applicable Applications for CD3E recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CD3E recombinant protein	CD3E 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 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. Recombinant human CD3E protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CD3E recombinant protein	Immunology
References	Lu,X., et al. (2011) Hematology 16 (3), 185-189; Li,Y., et al. (2011) Hematology 16 (3), 143-150;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502671
NCBI GeneID	916
NCBI Accession #	NP_000724
NCBI GenBank Nucleotide #	NM_000733.3
UniProt Accession #	P07766; A8K997
Molecular Weight	14.1 kDa (127aa), confirmed by MALDI-TOF
NCBI Official Full Name	T-cell surface glycoprotein CD3 epsilon chain
NCBI Official Synonym Full Names	CD3e molecule
NCBI Official Symbol	CD3E
NCBI Official Synonym Symbols	T3E; TCRE; IMD18
NCBI Protein Information	T-cell surface glycoprotein CD3 epsilon chain
UniProt Protein Name	T-cell surface glycoprotein CD3 epsilon chain
UniProt Gene Name	CD3E
UniProt Synonym Gene Names	T3E

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/cd3e-recombinant-protein-e-coli-sds-page/48801>