

Recombinant Human CD3E&CD3G protein, His-tagged

Cat. No. CD3E&CD3G-794H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD3 epsilon & CD3 gamma Heterodimer Protein is expressed from mammalian with a His Tag at the C-terminal. It contains Asp23-Glu120 (CD3E) & Gln23-Gln106 (CD3G).
Species	Human
Source	HEK293
ProteinLength	Asp23-Glu120 (CD3E) & Gln23-Gln106 (CD3G)
Description	T-cell surface glycoprotein CD3 epsilon & CD3 gamma chain, also known as CD3E & CD3G , are single-pass type I membrane proteins. When antigen presenting cells (APCs) activate T-cell receptor (TCR), TCR-mediated signals are transmitted across the cell membrane by the CD3 chains CD3D, CD3E, CD3G and CD3Z. All CD3 chains contain immunoreceptor tyrosine-based activation motifs (ITAMs) in their cytoplasmic domain.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a calculated MW of 16.4 kDa (CD3E) and 13.9kDa (CD3G). As a result of glycosylation, the protein migrates to 25-30 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.05EU per ug by the LAL method.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity > 95% as determined by Bis-Tris PAGE

Storage The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name CD3E&CD3G

Official Symbol CD3E&CD3G

Synonyms CD3; CD3D; CD3-DELTA; T3D; CD3G

Gene ID 916 & 917

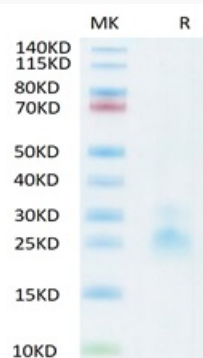
mRNA Refseq NM_000733.4 & NM_000073.3

Protein Refseq NP_000724.1 & NP_000064.1

MIM 186830 & 186740

UniProt ID P07766 & P09693

**Tris-Bis PAGE of
CD3E&CD3G-794H**

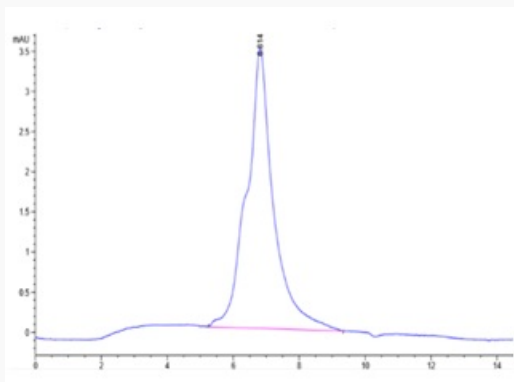


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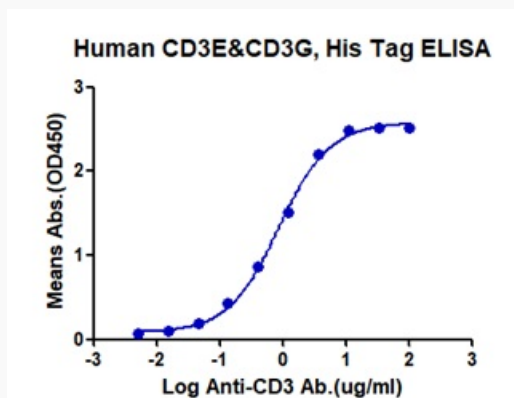
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**SEC-HPLC of
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**ELISA data of
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