

Recombinant Human CD247 Protein, His-tagged

Cat. No. CD247-222H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD247 molecule(CD247), transcript variant 2(NM_000734), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008].
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.192, without any preservatives.
Molecular Mass	16.2 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

protein-protein interaction studies.

GENE INFORMATION

Gene Name [CD247 CD247 molecule \[Homo sapiens \]](#)

Official Symbol [CD247](#)

Synonyms

CD247; CD247 molecule; CD3Z, CD3z antigen, zeta polypeptide (TiT3 complex) , CD247 antigen; T-cell surface glycoprotein CD3 zeta chain; CD3H; CD3Q; CD3zeta chain; TCR zeta chain; CD247 antigen, zeta subunit; T-cell receptor T3 zeta chain; CD3Z antigen, zeta polypeptide (TiT3 complex); T-cell antigen receptor complex, zeta subunit of CD3; T3Z; CD3Z; TCRZ; CD3-ZETA;

Gene ID [919](#)

mRNA Refseq [NM_000734](#)

Protein Refseq [NP_000725](#)

MIM [186780](#)

UniProt ID [P20963](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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