

Recombinant Human CD247 Protein, GST-Tagged

Cat. No. CD247-0757H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CD3Z full-length ORF (AAH25703, 1 a.a. - 164 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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]
Molecular Mass	43.78 kDa
AA Sequence	MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALFLRVKFSRSAD APAYQQGQNQLYNELNLGRREEYDVLDKRRGRDPEMGGKQRRKPNPQEGLYNEL QKDKMAEAYSEIGMKGERRRGKGGHDGLYQGLSTATKDTYDALHMQUALPPR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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](#)

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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