

Recombinant Human CD247 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD247-2726H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD247 MS Standard C13 and N15-labeled recombinant protein (NP_000725) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	18.7 kDa
AA Sequence	MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALFLRVKFSRSAD APAYQQGQNQLYNELNLGRREEYDVLDKRRGRDPEMGGKPQRRKNPQEGLYNEL QKDKMAEAYSEIGMKGERRRGKGHDGLYQGLSTATKDTYDALHMQALPPRTRTRP LEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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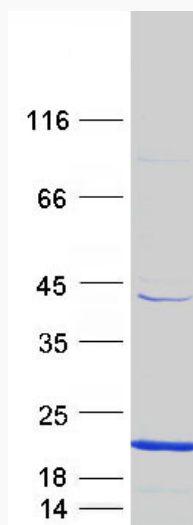
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	CD247 CD247 molecule [Homo sapiens (human)]
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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SDS-PAGE

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