

Recombinant Full Length Human CD247 Protein, C-Flag-tagged

Cat. No. CD247-1291HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CD247 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	16.3 kDa
AA Sequence	MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFIYGVILTALFLRVKFSRSAD APAYQQGQNNQ LYNELNLGRREEYDVLDKRRGRDPEMGGKPRRKNPQEGLYNELQ KDKMAEAYSEIGMKGERRRGKGDGL YQGLSTATKDTYDALHMQALPPRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	CD247 CD247 molecule [Homo sapiens (human)]
Official Symbol	CD247
Synonyms	T3Z; CD3H; CD3Q; CD3Z; TCRZ; IMD25; CD3ZETA; CD3-ZETA
Gene ID	919
mRNA Refseq	NM_198053.3
Protein Refseq	NP_932170.1

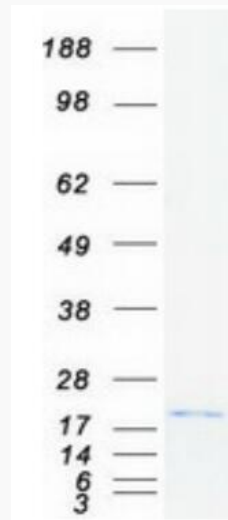
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MIM 186780

UniProt ID P20963



Coomassie blue staining of purified CD247 protein.

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