

Product datasheet for PH306562

CD247 (NM_000734) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD247 MS Standard C13 and N15-labeled recombinant protein (NP_000725)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206562
Predicted MW:	18.7 kDa
Protein Sequence:	>RC206562 protein sequence Red=Cloning site Green=Tags(s) MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGIILFIYGVILTALFLRVKFSRSADAPAYQQGQNO LYNELNLGRREEYDVLDRRRGRDPEMGGKPQRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGDG LYQGLSTATKDTYDALHMALPPR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000725</u>
RefSeq Size:	1687
RefSeq ORF:	492
Synonyms:	CD3-ZETA; CD3H; CD3Q; CD3Z; IMD25; T3Z; TCRZ
Locus ID:	919
UniProt ID:	<u>P20963</u>



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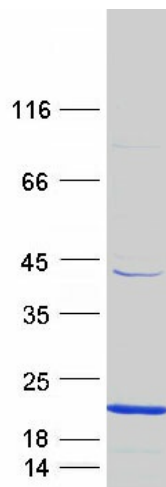
Cytogenetics: 1q24.2

Summary: 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]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway

Product images:



Coomassie blue staining of purified CD247 protein (Cat# [TP306562]). The protein was produced from HEK293T cells transfected with CD247 cDNA clone (Cat# [RC206562]) using MegaTran 2.0 (Cat# [TT210002]).