

## Product datasheet for PH314725

### CD247 (NM\_198053) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CD247 MS Standard C13 and N15-labeled recombinant protein (NP_932170)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214725
Predicted MW:	16.3 kDa
Protein Sequence:	>RC214725 representing NM_198053 Red=Cloning site Green=Tags(s)  MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGLFIYGVILTALFLRVKFSRSADAPAYQQGQNO LYNELNLGRREEYDVLDKRRGRDPEMGGKPRRKNPQEGLYNELQKDKMAEAYSEIGMKGERRRGKGDGL YQGLSTATKDTYDALHMQALPPR  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_932170</a></u>
RefSeq Size:	1677
RefSeq ORF:	489
Synonyms:	CD3-ZETA; CD3H; CD3Q; CD3Z; IMD25; T3Z; TCRZ
Locus ID:	919
UniProt ID:	<u><a href="#">P20963</a></u>



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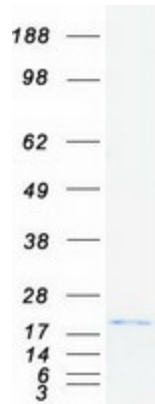
**Cytogenetics:** 1q24.2

**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# [TP314725]). The protein was produced from HEK293T cells transfected with CD247 cDNA clone (Cat# [RC214725]) using MegaTran 2.0 (Cat# [TT210002]).