

Proteoliposomes

Full-Length

CD247 (Human) Recombinant Protein

Catalog # H00000919-G01

Size 2 ug

Specification

Product Description	Human CD247 full-length ORF (NP_932170.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MKWKALFTAAILQAQLPITEAQSFGLLDPKLCYLLDGILFYGVILTALFLRVKFSRSADAPAYQQGQ NQLYNELNLGRREEYDVLDKRRGRDPEMGGKPQRRKNPQEGLYNELQKDKMAEAYSEIGMKGE RRRGKGHDGLYQGLSTATKDTYDALHMQALPPR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	18.7
Interspecies Antigen Sequence	Mouse (81); Rat (85)
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — CD247

Entrez GeneID [919](#)

GeneBank Accession# [NM_198053.1](#)

Protein Accession# [NP_932170.1](#)

Gene Name CD247

Gene Alias CD3-ZETA, CD3H, CD3Q, CD3Z, T3Z, TCRZ

Gene Description CD247 molecule

Omim ID [186780 610163](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations CD247 antigen, zeta subunit|CD3Z antigen, zeta polypeptide (TiT3 complex)|OTTHUMP00000032544|T-cell antigen receptor complex, zeta subunit of CD3|T-cell receptor T3 zeta chain|T-cell receptor zeta chain|T-cell surface glycoprotein CD3 zeta chain

Pathway

- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Lupus Erythematosus](#)

- [Osteoporosis](#)
- [Scleroderma](#)