

Product information

CD247, 52-164aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3754

Full name: T-cell surface glycoprotein CD3 zeta chain isoform 1

NCBI Accession No.: NP_932170

Synonyms: CD247, CD3-ZETA, CD3H, CD3Q, CD3Z, IMD25, T3Z, TCRZ

Description: CD247, also known as T-cell surface glycoprotein CD3 zeta chain isoform 1, belongs to CD3Z / FCER1G family. The T cell receptor Zeta together, with alpha / beta and gamma / delta heterodimers. This Protein plays an important role in binding antigen recognition to multiple intracellular signaling pathways and also plays a role in assembly and expression of the TCR complex. Defects in CD247 defects can cause immune deficiencies. Immune deficiency, characterized by T cells, impaired immune responses to allogeneic antigens, tetanus toxoid and mitogen. Recombinant human CD247, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. 20mM Tris-HCl buffer (pH 6.8) containing 50% glycerol, 1mM DTT, 1mM EDTA, 0.1M NaCl

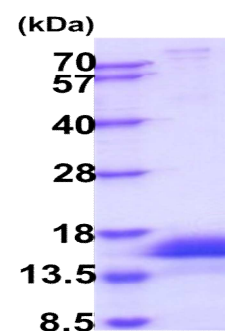
Molecular Weight: 14.1kDa (122aa)
13.5-18kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Ala

Purity: > 90% by SDS - PAGE.

Concentration: 0.2mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

ADPRVKFSRS ADAPAYQQGQ NQLYNELNLG RREEYDVLDK RRGDPPEMGG KPQRRKNPQE GLYNELQKDK MAEAYSEIGM KGERRRGKGH
DGLYQGLSTA TKDITYDALHM QALPPRHIIHH HH

General references:

Tomita K., *et al.* (2001) *J. Biol. Chem.* 276:25378–25385.

Li R., *et al.* (2012) *Lupus.* 21:75-83.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:
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Product information

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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