

PRODUCT DATA SHEET



Bioworld Technology, Inc.

CD278 Recombinant Protein

Catalog: NCP0348

Host: E.coli

Tag: His-tag

BackGround:

ICOS (Inducible Co-Stimulator, CD278) is a member of the CD28 family that regulates T cell activity and immune responses. The ICOS protein contains an extracellular IgV-like domain, a transmembrane domain, and an intracellular domain with a YMFM motif. ICOS is primarily expressed on activated CD4+ and CD8+ T cells. Upon binding to its ligand, ICOS potentiates the T cell response to antigen through activation of the PI3K signaling pathway. In addition to enhancing T cell activation and proliferation, ICOS plays an important role in the regulation of T follicular helper cells. Research studies suggest that ICOS is a potential therapeutic target, and could serve as a prognostic biomarker for neoplastic therapy involving CTLA-4 blockade.

Product:

PBS, 4M Urea, PH7.4

Molecular Weight:

~15kDa

Swiss-Prot:

Q9Y6W8

Purification&Purity:

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Restriction Sites:

NdeI-XhoI

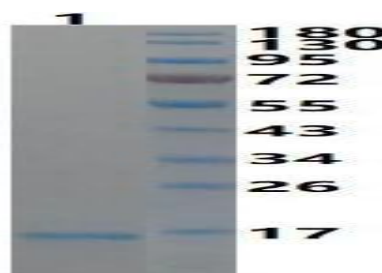
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Expression Vector:

pet-22b(+)

DATA:



Note:

For research use only, not for use in diagnostic procedure.

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