

Human ICOS/AILIM/CD278 (His & Fc Tag) recombinant protein



Catalog Number: 501450

General Information

Gene Name Synonym

Inducible T-cell co-stimulator, isoform CRA_b; Putative uncharacterized protein ICOS; cDNA, FLJ95906, Homo sapiens inducible T-cell co-stimulator (ICOS)

Protein Construction

A DNA sequence encoding the extracellular domain of human ICOS (NP_036224.1) (Met 1-Phe 141) was fused to the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized human human B7-H2 at 1 µg/ml (100 µl/well) can bind human ICOS with a linear range of 1.6-200 ng/ml.

Purity

> 94 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 21

Molecular Mass

The recombinant human ICOS/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 368 amino acids and predicts a molecular mass of 41.6 kDa. The apparent molecular mass of rhICOS/Fc monomer is approximately 50 kDa due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

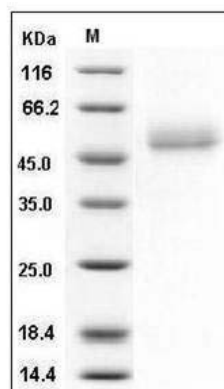
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human ICOS / AILIM / CD278 Protein (His & Fc Tag) SDS-PAGE