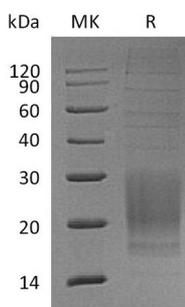


Summary

Name	ICOS/CD278/Inducible T-cell costimulator/AILIM
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Inducible T-cell Costimulator is produced by our Mammalian expression system and the target gene encoding Glu21-Leu142 is expressed with a 6His tag at the C-terminus.
Accession #	Q9WVS0
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	14.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

Product Name: Recombinant Mouse ICOS (C-6His)
Catalog #: PHM0946



Alternative Names

Inducible T-cell costimulator; Activation-inducible lymphocyte immunomediatory molecule; CD28 and CTLA-4-like protein; CCLP; CD28-related protein 1; CRP-1; CD278; Icos; Ailim

Background

Inducible Costimulator(ICOS) is a member of the growing CD28 family of immune costimulatory receptors. Other family members are CD28, CTLA4 and PD1. ICOS shares approximately 39% amino acid similarity with CD 28 and CTLA4. Mouse and human ICOS share approximately 72% amino acid identity. ICOS is expressed on most CD45RO+ cells. ICOS expression is up-regulated within approximately 24-48 hours of activation on Th primed cells. B7-H2, a member of the B7 family of costimulatory ligands, has been identified as the ICOS ligand. The B7-H2/ ICOS interaction appears to play roles in T cell dependent B cell activation and Th differentiation. In addition, ICOS is more potent in the induction of IL-10 production, acytokine important for suppressive function of T regulatory cells.

Note

For Research Use Only , Not for Diagnostic Use.