# Recombinant Mouse ICOS/AILIM Protein (His Tag)

Catalog Number: PKSM041217



Note: Centrifuge before opening to ensure complete recovery of vial contents.

## **Description**

Synonyms 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;AILIM;CCLP;CRP-1;H4;Ly115

**Species** Mouse

Expression Host

Sequence

Glu21-Leu142

Accession

Q9WVS0

Calculated Molecular Weight

14.7 kDa

Observed molecular weight

Tag

C-His

### **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per ug of the protein as determined by the LAL method.

**Storage** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

**Shipping** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation** Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

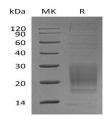
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed man

**Reconstitution** Please refer to the printed manual for detailed information.

#### Data



> 95 % as determined by reducing SDS-PAGE.

### **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

#### For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com

# **Recombinant Mouse ICOS/AILIM Protein (His Tag)**

Catalog Number:PKSM041217



IL-10 production, acytokine important for suppressive function of T regulatory cells.

## For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: <a href="mailto:www.elabscience.com">www.elabscience.com</a></a>
 Email: <a href="mailto:techsupport@elabscience.com">techsupport@elabscience.com</a>