

## Active Recombinant Mouse ICOS protein(Met1-Gln135), His-tagged

**Cat. No.** ICOS-1248M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse ICOS (NP_034643.2) (Met1-Gln135) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Gln135
<b>Form</b>	Lyophilized from sterile PBS, pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Immobilized Recombinant Mouse ICOS Protein (His Tag) at 2 µg/ml (100 µl/well) can bind Recombinant Mouse ICOS Ligand / B7-H2 / ICOSLG Protein (His & Fc Tag), The EC50 is 60-160 ng/mL.
<b>Molecular Mass</b>	The recombinant Mouse ICOS consists of 121 amino acids and predicts a molecular mass of 13.9 kDa. As a result of glycosylation, it migRates as an approximately 22.7 and 19.7 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** Icos inducible T cell co-stimulator [ *Mus musculus* ]

**Official Symbol** ICOS

**Synonyms** ICOS; inducible T cell co-stimulator; inducible T-cell costimulator; CD28-related protein 1; CD28 and CTLA-4-like protein; inducible T-cell co-stimulator; activation-inducible lymphocyte immunomediatory molecule; H4; CCLP; AILIM; CRP-1; Ly115;

**Gene ID** 54167

**mRNA Refseq** NM\_017480

**Protein Refseq** NP\_059508

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