

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

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

SPECIFICATION

Product Overview	Recombinant Mouse ICOS (NP_034643.2) (Met1-Gln135) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Gln135
Form	Lyophilized from sterile PBS, pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.

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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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