

## Active Recombinant Human ICOS, Fc-His tagged

Cat. No. ICOS-3243H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ICOS (NP_036224.1) extracellular domain (Met 1-Phe 141), fused with the polyhistidine-tagged Fc region of human IgG1 at the C-terminus, was produced in Human Cell.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1-Phe 141
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Immobilized Recombinant Human ICOS Ligand / B7-H2 / ICOSLG Protein (Fc Tag) at 2 µg/ml (100 µl/well) can bind Recombinant Human ICOS / AILIM / CD278 Protein (His & Fc Tag), The EC50 is 8-30 ng/mL.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.

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<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	ICOS inducible T-cell co-stimulator [ Homo sapiens ]
<b>Official Symbol</b>	ICOS
<b>Synonyms</b>	ICOS; inducible T-cell co-stimulator; inducible T-cell costimulator; activation inducible lymphocyte immunomediatory molecule; AILIM; CD278; inducible costimulator; activation-inducible lymphocyte immunomediatory molecule; CVID1; MGC39850;
<b>Gene ID</b>	29851
<b>mRNA Refseq</b>	NM_012092
<b>Protein Refseq</b>	NP_036224
<b>MIM</b>	604558
<b>UniProt ID</b>	Q9Y6W8

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