

## Active Recombinant Human ICOS, HlgG1 Fc-tagged

Cat. No. ICOS-1533H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human CD278 [ICOS] (NP_036224.1) (Glu21-Leu139) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	21-139 a.a.
<b>Description</b>	The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation.
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to inhibit human T cell proliferation induced by rhB7-H2/Fc Chimera in the presence of anti-CD3.
<b>Molecular Mass</b>	40 KDa (monomer)
<b>AA Sequence</b>	Glu21-Leu139
<b>Endotoxin</b>	<0.06 eu/µg="" as="" determined="" by="" lal="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.

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<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100µg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.
<b>GENE INFORMATION</b>	
<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
<b>Chromosome Location</b>	2q33
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules

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(CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem;

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