

Active Recombinant Human ICOS, HlgG1 Fc-tagged, mutant

Cat. No. ICOS-1532H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CD278 [ICOS] (NP_036224.1) (Glu21-Leu139) is fused to the N-terminus of the Fc region of a mutant human IgG1 was expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	21-139 a.a.
Description	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.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit human T cell proliferation induced by rhB7-H2/Fc Chimera in the presence of anti-CD3.
Molecular Mass	40 KDa (monomer)
AA Sequence	Glu21-Leu139
Endotoxin	<0.06 eu/µg="" as="" determined="" by="" la="" test="">

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Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	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.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	ICOS inducible T-cell co-stimulator [Homo sapiens]
Official Symbol	ICOS
Synonyms	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;
Gene ID	29851
mRNA Refseq	NM_012092
Protein Refseq	NP_036224
MIM	604558
UniProt ID	Q9Y6W8
Chromosome Location	2q33

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Pathway

Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (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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