

Active Recombinant Human ICOS Protein, His tagged

Cat. No. ICOS-22H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ICOS protein (Glu21-Lys140) with His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	21-140 aa
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.
N-terminal Sequence Analysis	Glu21
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Human B7-H2 Fc Chimera is coated at 0.5 µg/mL, 100 µL/well, Recombinant Human ICOS binds with an ED50 of 0.7-3.5 ng/mL.
Molecular Mass	15 kDa
Endotoxin	< 0.1 EU/µg by LAL
Purity	> 95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by

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Coomassie Blue Staining.

Storage	12 months from date of receipt, ≤ -20 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Reconstitution	Reconstitute at 200 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene ID	29851
Gene Name	ICOS inducible T-cell co-stimulator [Homo sapiens (human)]
Official Symbol	29851
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;
mRNA Refseq	NM_012092
Official Symbol 2	ICOS
Gene ID 2	29851
Gene Name 2	ICOS inducible T-cell co-stimulator [Homo sapiens (human)]

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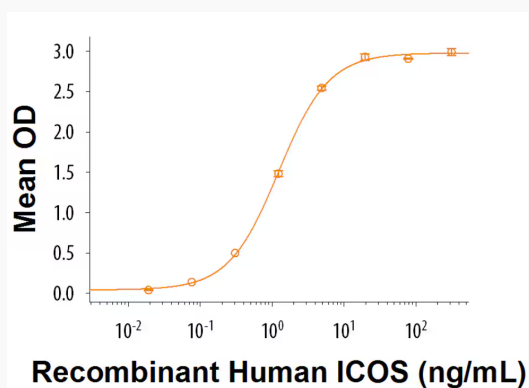
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Protein Refseq 2 NP_036224

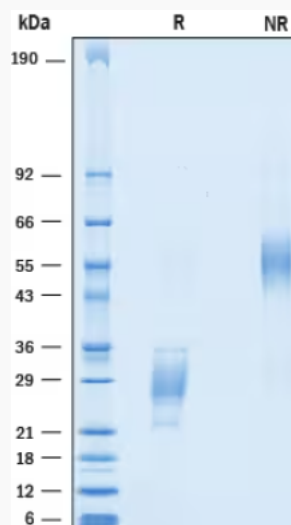
MIM 2 604558

UniProt ID 2 Q9Y6W8

Binding Activity



SDS-PAGE



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