

## Active Recombinant Human ICOS protein, His-Avi-tagged, Biotinylated

**Cat. No.** ICOS-0233H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human ICOS protein(Glu21-Phe141), fused with His and Avi tag, was expressed in HEK293.                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 21-141 a.a.                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                               |
| <b>Bio-activity</b>     | Immobilized Human B7-H2, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human ICOS (C136S, C137S) Protein, His,Avitag with a linear range of 2-78 ng/mL.                                                                          |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 17.4 kDa. The protein migrates as 25-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Glu21-Phe141                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                               |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                          |

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|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <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.                                                                                                       |
| <b>Conjugation</b>      | Biotin                                                                                                                                                                                                                                                                              |
| <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                                                                                                                                                                                                                                                                              |

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