

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## HUMAN ICOS PROTEIN, MFC-HIS TAG

Cat.#: 11154
Product Name: Human ICOS Protein
Size: 10 μg, 50 μg and 100 μg
Synonyms: ICOS;CD278;AILIM;Inducible T-cell costimulator
Target: ICOS
UNIPROT ID: Q9Y6W8
Description: Recombinant human ICOS protein with C-terminal mouse Fc and 6xHis tag
Background: 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.

Species/Host: HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 41.1 kDa after removal of the signal peptide.

**Molecular Characterization:** ICOS(Glu21-Lys140) mFc(Pro99-Lys330) 6×His tag **Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

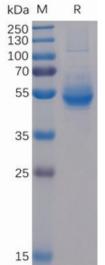
**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



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Tag on SDS-PAGE under reducing condition.

## Human ICOS, mFc-His Tagged protein ELISA

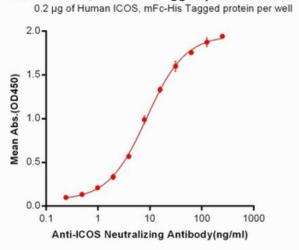


Figure 2. ELISA plate pre-coated by 2 Figure 1. Human ICOS Protein, mFc-His µg/ml (100 µl/well) Human ICOS, mFc-His tagged protein (11154) can bind Anti-ICOS Neutralizing antibody )]in a linear range of 0.24-31.25ng/ml.