

## 32-7878: Recombinant Human ICOS/CRP-1/AILIM/CD278 (C-Fc)

**Gene :** ICOS  
**Gene ID :** 29851  
**Uniprot ID :** Q9Y6W8

### Description

Source: Human Cells.  
MW :40.8kD.

Recombinant Human Inducible T-cell costimulator is produced by our Mammalian expression system and the target gene encoding Glu21-Phe141 is expressed with a Fc tag at the C-terminus. Inducible T-cell costimulator, also known as activation-inducible lymphocyte immunomediatory molecule, CD278, AILIM, CVID1 and ICOS, belongs to the CD28 and CTLA4 cell surface receptor family.. ICOS contains one Ig-like V-type domain and exists as a homodimer with disulfide-linked. ICOS is highly expressed on tonsillar T-cells and can be induced by PMA and ionomycin, ICOS plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation. Defects in ICOS are the cause of immunodeficiency common variable type 1, which is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** EINGSAN YEMFIFHNGGVQILCKYPDIVQQFKMQLLKGQILCDLTKTKGSGNTVSIKSLKFCHS QLSNNSVSFF  
LYNLDHSHANYFYFCNLSIFDPPPFKVTLTGGYLHIYEQSLCCQLKFVDDIEGRMDEPKSCDKTHTCPPCPAPELL  
GGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVL  
HQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWES  
NGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.