

# Mouse ICOS/CD278 (C137S, C138S) Protein

Cat. No. ICO-MM102



## Description

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Source</b>           | Recombinant Mouse ICOS/CD278(C137S, C138S) Protein is expressed from HEK293 with His tag at the C-Terminus.                        |
|                         | It contains Glu21-Leu144(C137S, C138S).                                                                                            |
| <b>Accession</b>        | Q9WVS0                                                                                                                             |
| <b>Molecular Weight</b> | The protein has a predicted MW of 15.3 kDa. Due to glycosylation, the protein migrates to 27-38 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                            |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE                                                                                               |
|                         | > 95% as determined by HPLC                                                                                                        |

## Formulation and Storage

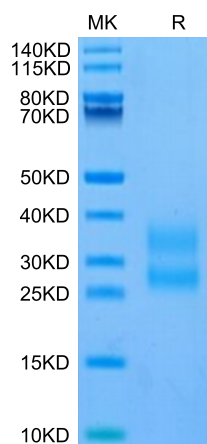
|                       |                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Formulation</b>    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                                          |
| <b>Reconstitution</b> | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                          |
| <b>Storage</b>        | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Inducible co-stimulator (ICOS), also called ALIM (activation-inducible lymphocyte immunomediatory molecule) and CRP-1 (CD28-related protein-1), is a member of the growing CD28 family of immune costimulatory receptors. Other family members are CD28, CTLA-4 and PD-1.

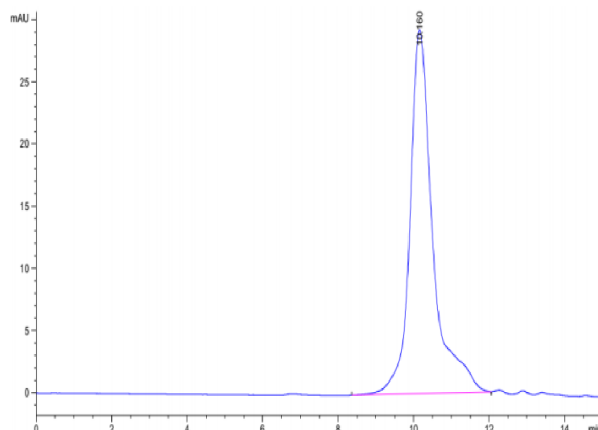
## Assay Data

### Bis-Tris PAGE



Mouse ICOS (C137S, C138S) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Mouse ICOS (C137S, C138S) is greater than 95% as determined by SEC-HPLC.