

Datasheet for ABIN7274841

ICOS Protein (Cys137Ser-Mutant, Cys138Ser-Mutant) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	ICOS
Protein Characteristics:	Cys137Ser-Mutant, Cys138Ser-Mutant
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICOS protein is labelled with His tag.

Product Details

Purpose:	Mouse ICOS/CD278 (C137S, C138S) Protein
Sequence:	Glu21-Leu144 (C137S, C138S)
Characteristics:	Recombinant Mouse ICOS/CD278(C137S, C138S) Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Glu21-Leu144(C137S, C138S).
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	ICOS
Alternative Name:	ICOS (ICOS Products)

Target Details

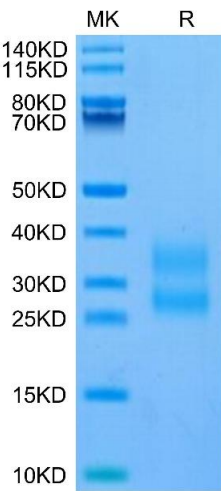
Background:	Inducible co-stimulator (ICOS), also called AILIM (activation-inducible lymphocyte immunomediatory molecule) and CRP-1 (CD28-related protein-1), is a member of the growing CD28 family of immune costimulatory receptors. Other family members are CD28, CTLA-4 and PD-1.
Molecular Weight:	15.3 kDa. Due to glycosylation, the protein migrates to 27-38 kDa based on Tris-Bis PAGE result.
UniProt:	Q9WVS0
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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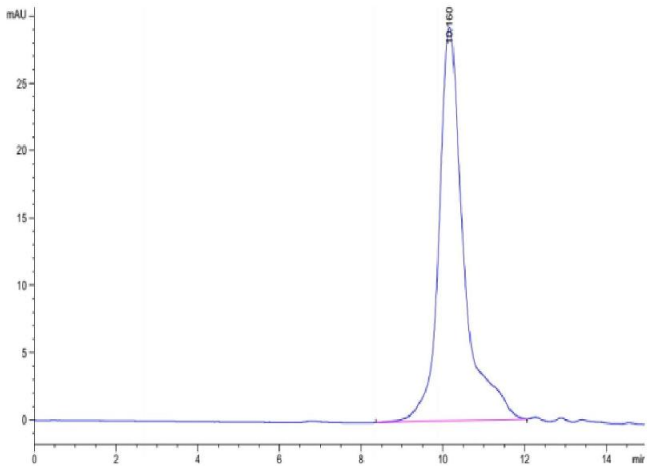
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse ICOS/CD278(C137S, C138S) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse ICOS/CD278(C137S, C138S) is greater than 95 % as determined by SEC-HPLC.