

Datasheet for ABIN7274837  
**ICOS Protein (AA 21-134) (His tag)**

## 3 Images

[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	ICOS
Protein Characteristics:	AA 21-134
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICOS protein is labelled with His tag.

## Product Details

Purpose:	Human ICOS/CD278 Protein
Sequence:	Glu21-Gln134
Characteristics:	Recombinant Human ICOS/CD278 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu21-Gln134.
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.
Biological Activity Comment:	Immobilized Human ICOS, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human B7-H2, hFc Tag with the EC50 of 22.7ng/ml determined by ELISA. See testing image for detail.

## Target Details

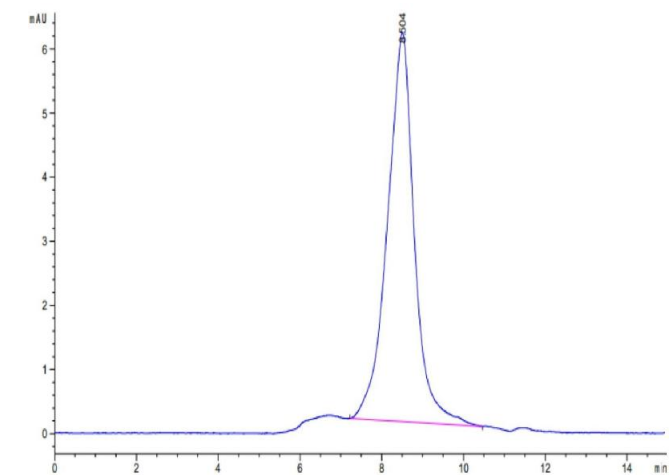
Target:	ICOS
Alternative Name:	ICOS ( <a href="#">ICOS Products</a> )
Background:	Inducible co-stimulator (ICOS), also called AILIM (activation-inducible lymphocyte immunomediatory molecule) and CRP-1 (CD28-related protein-1), is a member of the growing CD28 family of immune costimulatory receptors. Other family members are CD28, CTLA-4 and PD-1. Human ICOS is a homodimeric type I transmembrane protein consisting of 199 amino acids (aa) with a putative 20 aa signal sequence, a 121 aa extracellular domain, a 23 aa transmembrane region, and a 35 aa cytoplasmic domain.
Molecular Weight:	14.6 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

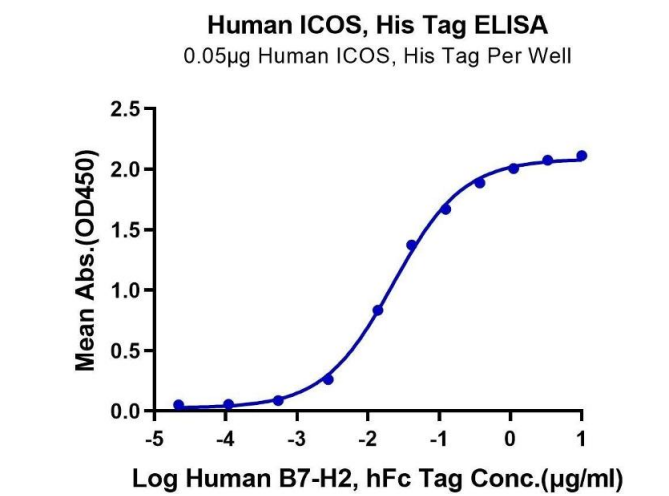
## Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS ( pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



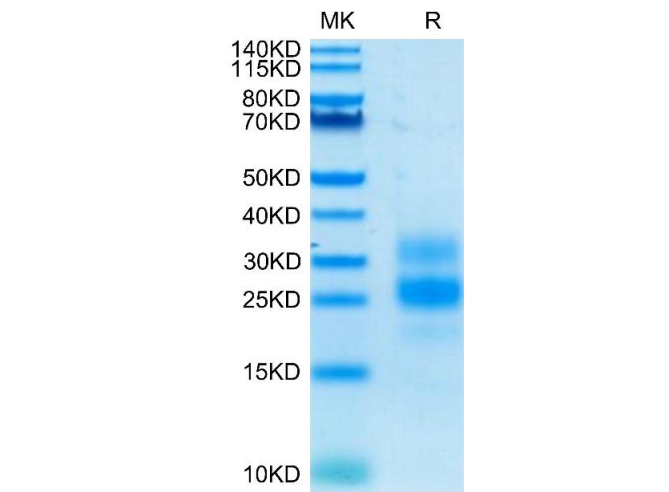
Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Human ICOS is greater than 95 % as determined by SEC-HPLC.



ELISA

**Image 2.** Immobilized Human ICOS, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human B7-H2, hFc Tag with the EC50 of 22.7 ng/mL determined by ELISA.



SDS-PAGE

**Image 3.** Human ICOS on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .