

Datasheet for ABIN7274030

**CEACAM6 Protein (His-Avi Tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CEACAM6
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM6 protein is labelled with His-Avi Tag,Biotin.

## Product Details

Sequence:	Lys35-Gly320
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:	The affinity constant of 3.81 µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	CEACAM6
Alternative Name:	CEACAM-6 ( <a href="#">CEACAM6 Products</a> )
Background:	CEACAM6, CD66c, CEAL, NCA, CEA,Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6) belongs to the human carcino-embryonic antigen (CEA) family. Numerous lines of studies have indicated that altered expression of CEACAM6 may have a role in carcinogenesis

## Target Details

	and development.
Molecular Weight:	34.1 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P40199</a>

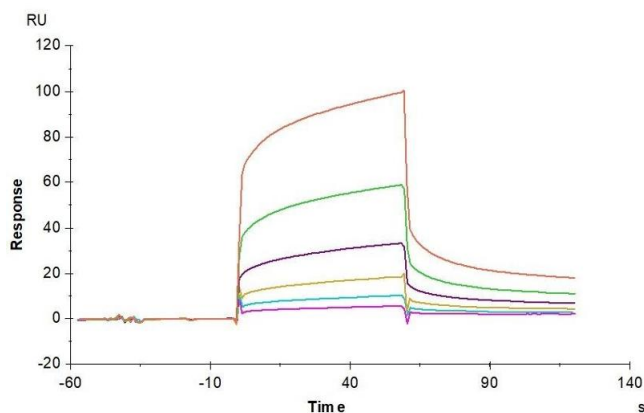
## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

## Images

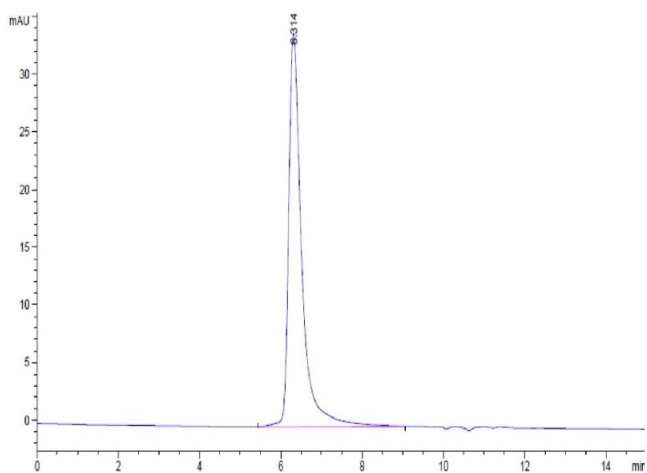


### Surface Plasmon Resonance

**Image 1.** Human CEACAM-8, His Tag immobilized on CM5 Chip can bind Biotinylated Human CEACAM6, His-Avi Tag with an affinity constant of 3.81 µM as determined in SPR assay (Biacore T200).

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Biotinylated Human CEACAM-6 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 3.** Biotinylated Human CEACAM-6 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

