

## Recombinant Human CEACAM-6/CD66c (His-Avi Tag)

### 产品信息

产品名称	产品编号	规格
Recombinant Human CEACAM-6/CD66c (His-Avi Tag)	93097ES20	20 µg
	93097ES60	100 µg
	93097ES76	500 µg
	93097ES80	1 mg

### 产品描述

Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM-6), previously called nonspecific crossreacting antigen (NCA) or CD66c, is one of seven human CEACAM family members within the immunoglobulin superfamily. In humans, CEACAMs include type I transmembrane proteins (CEACAM-1, -3, and -4) and GPI-linked molecules (CEACAM-5 through -8). There is no human CEACAM-2. Human CEACAM-6 is a 90 kDa, GPI-linked membrane protein that contains a 34 aa signal sequence, a 286 aa extracellular domain (ECD), and a 24 aa hydrophobic C-terminal propeptide. The GPI membrane anchor is attached at the C-terminus following cleavage of the propeptide. CEACAM-6 contains one N-terminal V-type Ig-like domain (N domain), followed by two C2-type Ig-like domains. It shows considerable glycosylation, including (sialyl) LewisX, which mediates binding to E-selectin, galectins and some bacterial fimbriae. Mature human CEACAM-6 shows 84%, 85%, 80%, 87% and 51% aa identity to the equivalent extracellular regions of human CEACAMs 1, 5 (CEA) and 8, rhesus CEACAM-2, and bovine CEACAM-6, respectively. CEACAM-6 is expressed by granulocytes and their precursors. Activation enhances surface expression by mobilizing CEACAM-6 from storage in azurophilic granules. It often shows aberrant expression in acute lymphocytic leukemias. CEACAM-6 is also expressed in epithelia of various organs and is upregulated in pancreatic and colon adenocarcinomas and hyperplastic polyps.

### 产品性质

别名 (Synonyms)	CEACAM6; CD66c; CEAL; NCA; CEA
Uniprot No.	P40199
表达区间及表达系统 (Source)	Recombinant Human CEACAM-6/CD66c Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Lys35-Gly320.
分子量(Molecular Weight)	The protein has a predicted MW of 34.1 kDa. Due to glycosylation, the protein migrates to 55-75 kDa based on Tris-Bis PAGE result.
外观(Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE and HPLC
活性 (Activity)	<b>SPR Data:</b> Human CEACAM-8, His Tag immobilized on CM5 Chip can bind Human CEACAM-6, His Tag with an affinity constant of 4.59 µM as determined in SPR assay (Biacore T200).
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶 (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.

## 运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

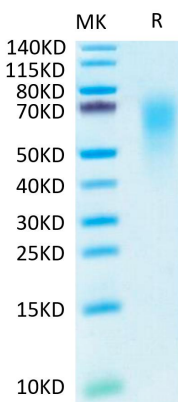
建议第一次使用时分装冻存，避免反复冻融。

## 注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

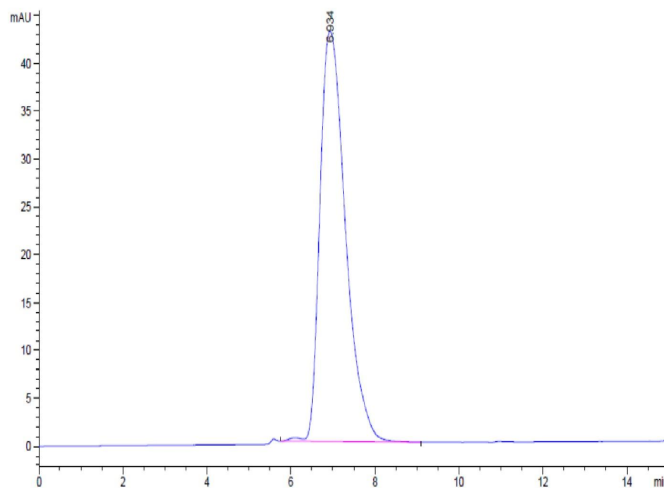
## 产品数据

### Tris-Bis PAGE



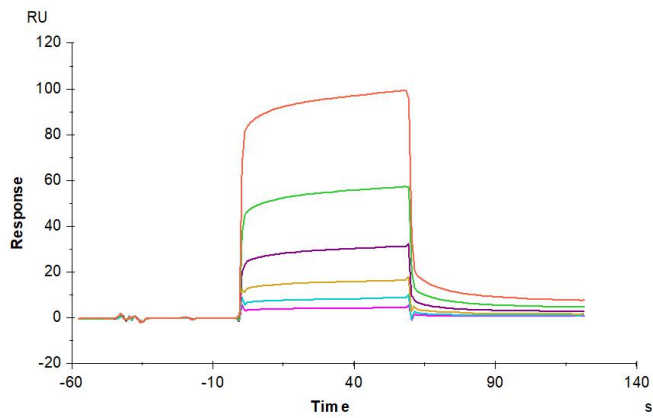
Human CEACAM-6 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

### SEC-HPLC



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

## SPR Data



Human CEACAM-8, His Tag immobilized on CM5 Chip can bind Human CEACAM-6, His Tag with an affinity constant of  $4.59 \mu\text{M}$  as determined in SPR assay (Biacore T200).