



# Recombinant Human Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) (E398K) (Active)

<b>Product Code</b>	CSB-MP005165HU
<b>Abbreviation</b>	Recombinant Human CEACAM5 protein (E398K) (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P06731
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM5 at 2μg/mL can bind Anti-CEACAM5 recombinant antibody (CSB-RA005165MA1HU), the EC50 is 0.8955-1.719 ng/mL.
<b>Purity</b>	≥ 95% as determined by SDS-PAGE.
<b>Sequence</b>	KLTIESTPFNVAEGKEVLLLVHNLQPQLFGYSWYKGERVDGNRQIIGYVIGTQQ ATPGPAYSGREIYPNASLLIQNIIQNNDTGFYTLHVIKSDLVNEEATGQFRVYPEL PKPSSISSNSKPVEDKDAVAFTCEPETQDATYLWVNNQSLPVSRLQLSNG NRTLTLFNVTRNDTASYKCETQNPVSARRSDSVILNVLYGPDAPTISPLNTSYR SGENLNLSCHAASNPPAQYSWFVNGTFQQSTQELFIPNITVNNSGSYTCQAH NSDTGLNRTTVTTITVYAEPPKPFITSNNSNPVEDEDAVALTCEPEIQNTTYLW WVNNQSLPVSRLQLSNDNRTLTLVTRNDVGPYECGIQNKLSVDHSDPVIL NVLYGPDPTISPSYTYRPGVNLSSLCHAASNPPAQYSWLIDGNIQQHTQEL FISNITEKNSGLYTCQANNSASGHSRTTVKTITVSAELPKPSSISSNSKPVEDKD AVAFCEPEAQNTTYLWVNGQSLPVSRLQLSNGNRTLTLFNVTRNDARAY VCGIQNSVSANRSDPVTLVDVLYGPDTPPISSPDSSYLSGANLNLSCHSANPSP QYSWRINGIPQQHTQVLFIAKITPNNGTYACFVSNLATGRNNSIVKSITVSASG TSPGLSA
<b>Research Area</b>	Cancer
<b>Source</b>	Mammalian cell
<b>Target Names</b>	CEACAM5
<b>Expression Region</b>	35-685aa(E398K)
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

**Tag Info**

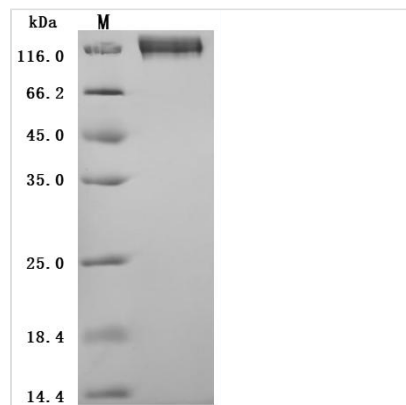
C-terminal 10xHis-tagged

**Mol. Weight**

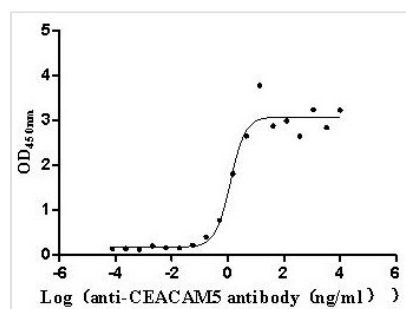
74.1 kDa

**Protein Length**

Full Length of Mature Protein

**Image**


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.


**Activity**

Measured by its binding ability in a functional ELISA. Immobilized Human CEACAM5 at 2µg/mL can bind Anti-CEACAM5 recombinant antibody (CSB-RA005165MA1HU), the EC<sub>50</sub> is 0.8955-1.719 ng/mL.

**Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.