

# Recombinant Human CEACAM5/CEA Protein (Fc Tag)

Catalog Number: PKSH032237



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

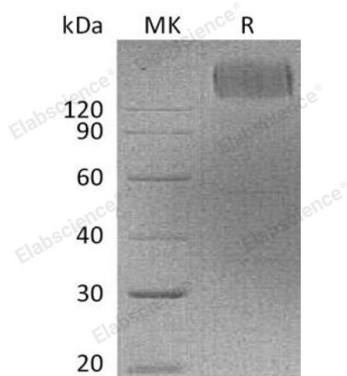
## Description

|                     |                            |
|---------------------|----------------------------|
| <b>Species</b>      | Human                      |
| <b>Mol_Mass</b>     | 98.5 kDa                   |
| <b>Accession</b>    | NP_004354.3                |
| <b>Bio-activity</b> | Not validated for activity |

## Properties

|                       |                                                                                                                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.                                                                                                                                                                                             |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                        |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.                                                                                                                                                        |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.                                                    |
|                       | Please refer to the specific buffer information in the printed manual.                                                                                                                                                                 |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.                                                                                                                                                                           |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Carcinoembryonic antigen-related cell adhesion molecules (CEACAMs) belong to a group of mammalian immunoglobulin related glycoproteins. They play critical roles in cell-cell recognition. CEACAM5; also called CEA and CD66e; is characterized by having seven extracellular Ig domains and a glycosylphosphatidylinositol (GPI) anchor. CEACAM5 is expressed primarily by epithelial cells; and functions as a calcium-independent adhesion molecule through homophilic and heterophilic interactions with CEACAM1. Studies have shown that CEACAM5 is overexpressed in a majority of carcinomas; and its overexpression can protect tumor cells from apoptosis. It is commonly used as a cancer marker.

## For Research Use Only

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