

PRODUCT INFORMATION

CEACAM1 **Target**

Synonyms BGP;BGP1;BGPI

Recombinant human CEACAM1 protein with C-Description

terminal 6×His tag

Delivery In Stock **Uniprot ID** P13688 **Expression Host HEK293** C-6×His Tag Tag

Molecular

Molecular Weight

Storage & Shipping

Background

CEACAM1(Gln35-Gly428) 6×His tag Characterization

The protein has a predicted molecular mass of

44.1 kDa after removal of the signal peptide. The apparent molecular mass of CEACAM1-His is approximately 70-100 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes a member of the carcinoembryonic antigen (CEA) gene family,

which belongs to the immunoglobulin

superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in

the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on

leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via

homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional

structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of all variants has not been defined. [provided by

> Email: info@dimabio.com Website: www.dimabio.com

RefSeq, May 2010]

Usage Research use only

Conjugate Unconjugated

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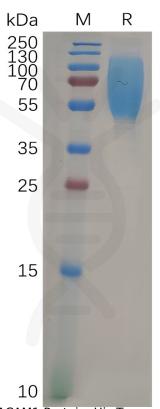


Figure 1. Human CEACAM1 Protein, His Tag on SDS-PAGE under reducing condition.

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