

Datasheet for ABIN6964151
CEACAM1 Protein (AA 35-428) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	CEACAM1
Protein Characteristics:	AA 35-428
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CEACAM1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant human CEACAM1 protein with C-terminal 6xHis tag
Specificity:	CEACAM1 (Gln35-Gly428) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CEACAM1
Alternative Name:	CEACAM1 (CEACAM1 Products)
Background:	This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which

Target Details

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 RefSeq, May 2010]

Molecular Weight:	predicted molecular mass of 44.1 kDa after removal of the signal peptide. The apparent molecular mass of CEACAM1-His is 70-100 kDa due to glycosylation.
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UniProt:	P13688
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Application Details

Restrictions:	For Research Use only
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Handling

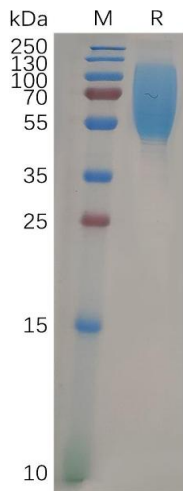
Format:	Lyophilized
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Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
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Storage:	-20 °C,-80 °C
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Storage Comment:	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.
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Expiry Date:	12 months
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SDS-PAGE

Image 1. Human CEA Protein, His Tag on SDS-PAGE under reducing condition.