

Active Recombinant Human CEACAM1 protein(Met1-Gly428), His-tagged

Cat. No. CEACAM1-5078H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CEACAM1 (NP_001020083.1) (Met 1-Gly 428) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	Met1-Gly428
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its ability to bind biotinylated Human CEACAM6-His in functional ELISA. 2. Measured by its ability to bind biotinylated Human CEACAM8-His in functional ELISA.3. Measured by its ability to inhibit IL2 secretion by HuT 78 human cutaneous T cell lymphoma cells. The ED50 for this effect is typically 213 µg/mL.
Molecular Mass	The secreted recombinant human CEACAM1 comprises 405 amino acids and predicts a molecular mass of 44.8 kDa. As a result of glycosylation, the apparent molecular mass of rhCEACAM1 is approximately 60.5 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) [Homo sapiens]
Official Symbol	CEACAM1
Synonyms	CEACAM1; carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein); BGP; carcinoembryonic antigen-related cell adhesion molecule 1; BGP1; CD66a; antigen CD66; CD66a antigen; BGPI;
Gene ID	634
mRNA Refseq	NM_001024912
Protein Refseq	NP_001020083
MIM	109770
UniProt ID	P13688