

Active Recombinant Human CEACAM1 protein, His-tagged

Cat. No. CEACAM1-152H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CEACAM1(Gln35-Gly428) fused with His tag at C-terminal was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	35-428 a.a.
Predicted N Terminal	Gln35
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit IL-2 secretion by HuT 78 human cutaneous T cell lymphoma cells Chen, C.J. and J.E. Shively (2004) J. Immunol. 172:3544. rhCEACAM-1 at concentrations higher than 1 µg/mL reduces anti-CD3 (immobilized at 10 µg/mL) induced IL-2 production by 60-70%.The ED50 for rhCEACAM-1 inhibition of anti-CD3 induced IL-2 production is typically 0.05-0.2 µg/mL.
Molecular Mass	Predicted Molecular Mass: 44.6 kDa;SDS-PAGE: 100-130 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in sterile PBS.

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

Chromosome Location 19q13.2

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Pathway	EGFR1 Signaling Pathway, organism-specific biosystem;
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Function	molecular_function; protein binding;
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