

Recombinant Human CEACAM1 Protein (Gln35-Glu320), His tagged

Cat. No. CEACAM1-0846H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CEACAM1 (Gln35-Glu320) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln35-Glu320
Description	Isoform 1: Cell adhesion protein that mediates homophilic cell adhesion in a calcium-independent manner. Plays a role as coinhibitory receptor in immune response, insulin action and functions also as an activator during angiogenesis. Its coinhibitory receptor function is phosphorylation- and PTPN6 -dependent, which in turn, suppress signal transduction of associated receptors by dephosphorylation of their downstream effectors. Plays a role in immune response, of T cells, natural killer (NK) and neutrophils. Isoform 8: Cell adhesion protein that mediates homophilic cell adhesion in a calcium-independent manner. Promotes populations of T cells regulating IgA production and secretion associated with control of the commensal microbiota and resistance to enteropathogens.
Form	Lyophilized powder/frozen liquid
Molecular Mass	31.95 kDa

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Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	CEACAM1 carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) [Homo sapiens (human)]
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

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MIM	109770
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UniProt ID	P13688
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