

Recombinant Human CEA20 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50169

Size: 10ug, 100ug

Protein Name: Cell adhesion molecule CEACAM20 (Carcinoembryonic antigen-related cell adhesion molecule 20) (CEA cell adhesion molecule 20)

Synonym: CEACAM20, UNQ9366/PRO34155

UniProt ID: Q6UY09

UniProt Link: www.uniprot.org/uniprotkb/Q6UY09/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 596 AA

Molecular Weight: 66 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGPADSWGHHWMGILLSASLCTVWSPPAQAQLTLNANPLDATQSEDVLPVFGTPRTPQIHGRSR
ELAKPSIAVSPGTAIEQKDMVTFYCTTKDVNITIHWVSNNLSIVFHERMQLSKDGKILTILIVQREDSGT
YQCEARDALLSQRSDPIFLDVKYGPDPEIKLESGVASGEVVEVMGSSMTFLAETKSHPPCAYTWF
LLDSILSHTTRFTTIHAVSREHEGLYRCLVNSATHLSSLGTLKVRVLETLTMPQVVPSSLNLVENARS
VDLTCQTVNQSVNVQWFLSGQPLLPSEHLQLSADNRTLIIHGLQRNDTGPYACEVWNWGSRARSE
PLELTINYGPDQVHITRESASEMISTIEAELNSSLTLQCWAESKPGAERYRWLEHSTGEHLGEQLIIRA
LTWEHDGIYNCTASNSLTGLARSTSVLVKVVGPPQSSSLSSGAIAIGIVIGILAVIAVASELGYFLCIRNAR
RPSRKTTEDPSHETSQPIPKKEHPTPESSLSPEYRNISQLQGRIKVELMQPPDLPEETYETKLPSA
SRRGNSFSPWKPPPPLMPPLRLVSTVPKNMESIYEELVNPEPNTYIQINPSV

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Cell adhesion molecule CEACAM20 (Carcinoembryonic antigen-related cell adhesion molecule 20) (CEA cell adhesion molecule 20) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Together with the tyrosine-protein kinase SYK, enhances production of the cytokine CXCL8/IL-8 via the NFκB pathway and may thus have a role in the intestinal immune response.

Subcellular Localization: Cell projection, microvillus membrane ; Single-pass type I membrane protein . Apical cell membrane ; Single-pass type I membrane protein . Note=Colocalizes with PTPRH and CEACAM1 at the apical brush border of intestinal cells.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.