

Recombinant Human CEAM6 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50171

Size: 10ug, 100ug

Protein Name: Cell adhesion molecule CEACAM6 (Carcinoembryonic antigen-related cell adhesion molecule 6) (CEA cell adhesion molecule 6) (Non-specific crossreacting antigen) (Normal cross-reacting antigen) (CD antigen CD66c)

Synonym: CEACAM6, NCA

UniProt ID: P40199

UniProt Link: www.uniprot.org/uniprotkb/P40199/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 344 AA

Molecular Weight: 37 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MGPPSAPPCRLHVPWKEVLLTASLLTFWNPPTTAKLTIESTPFNVAEGKEVLLLAHNLPQNRIGYSW
YKGERVDGNSLIVGYVIGTQQATPGPAYSGRETIYPNASLLIQNVTQNDTGFTLQVIKSDLVNEEAT
GQFHVYPELPKPSISSNNSNPVEDKDAVAFTCEPEVQNTTYLWWVNGQSLPVSPRLQLSNGNMTLT
LLSVKRNDAGSYECEIQNPASANRSDPVTNLVLYGPDVPTISPSKANYRPGENLNLSCHAASNPPAQ
YSWFINGTFQQSTQELFIPNITVNNSGSYMCAHNSATGLNRTTVTMITVSGSAPVLSAVATVGITIGV
LARVALI

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 CEACAM6 (Carcinoembryonic antigen-related cell adhesion molecule 6) (CEA cell adhesion molecule 6) (Non-specific crossreacting antigen) (Normal cross-reacting antigen) (CD antigen CD66c) 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: Cell surface glycoprotein that plays a role in cell adhesion and tumor progression (PubMed:10910050, PubMed:11590190, PubMed:1378450, PubMed:16204051, PubMed:2022629, PubMed:2803308, PubMed:8776764). Intercellular adhesion occurs in a calcium- and fibronectin-independent manner (PubMed:16204051, PubMed:2022629). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8 (PubMed:11590190, PubMed:16204051, PubMed:2022629, PubMed:2803308, PubMed:8776764). Heterophilic interaction with CEACAM8 occurs in activated neutrophils (PubMed:8776764). Plays a role in neutrophil adhesion to cytokine-activated endothelial cells (PubMed:1378450). Plays a role in cell migration and cell adhesion to endothelial cells (PubMed:16204051).

Subcellular Localization: Cell membrane; Lipid-anchor, GPI-anchor . Apical cell membrane . Cell surface . Note=Localized to the apical glycocalyx surface.

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.