Recombinant CEA18 protein (His tag)

Catalog Number	551333
Synonyms	Carcinoembryonic antigen-related cell adhesion molecule 18; CEA cell adhesion molecule 18
Species	Human
Expression System	E. coli
Accession	A8MTB9
Molecular Weight	Predictes a molecular mass of 33.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 34 kDa band.

Product Information

Sequence Region	31-317
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 31-317 aa (A8MTB9) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	This high-purity recombinant protein corresponds to the Ig-like C2-type domain (residues 31-317) of human CEACAM18 (Carcinoembryonic antigen-related cell adhesion molecule 18). The fragment is specifically designed to facilitate focused studies on the structure and function of this critical immunoglobulin-like domain, making it an ideal tool for investigating cell adhesion mechanisms and related biological processes. CEACAM18 is a member of the carcinoembryonic antigen-related cell adhesion molecule (CEACAM) family, which plays important roles in intercellular recognition, signaling, and adhesion. While specific functional details and subcellular localization for CEACAM18 are not fully characterized in the provided data, proteins in this family are typically involved in immune regulation, cellular communication, and tissue organization. The Ig-like C2-type domain contained within this recombinant fragment is a common structural motif in cell surface and secreted proteins that mediates protein-protein interactions, suggesting this protein fragment will be valuable for studying these fundamental biological functions.