Recombinant CEA21 protein (His tag)

Catalog Number	548694
Synonyms	Carcinoembryonic antigen-related cell adhesion molecule 21; CEA cell adhesion molecule 21
Species	Human
Expression System	E. coli
Accession	Q3KPI0
Molecular Weight	Predictes a molecular mass of 24.86 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	35-240
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 35-240 aa (Q3KPI0) 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	Recombinant Human CEACAM21 Protein Fragment (aa 35-240) is a high-purity, functional fragment encompassing the Ig-like C2-type domain. This product is an essential tool for investigating cell adhesion mechanisms, domain-specific interactions, and related molecular pathways in cancer and immunological research. Cell adhesion molecule CEACAM21 is a single-pass type I membrane protein localized to the cell membrane, playing a critical role in intercellular communication and adhesion processes. As a member of the carcinoembryonic antigen-related cell adhesion molecule family, it is implicated in cellular recognition and signaling, with relevance to cancer biology and immune regulation. The provided fragment includes the Ig-like C2-type domain (aa 147-231), enabling focused studies on domain-mediated functions without the full transmembrane context.