Recombinant CEA19 protein (His tag)

Catalog Number	550940
Synonyms	Carcinoembryonic antigen-like 1; Carcinoembryonic antigen-related cell adhesion molecule 19; CEA cell adhesion molecule 19
Species	Human
Expression System	E. coli
Accession	Q7Z692
Molecular Weight	Predictes a molecular mass of 15.66 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	33-157
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 33-157 aa (Q7Z692) 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 CEACAM19 Fragment (33-157) is a high-quality, soluble protein fragment derived from the cell adhesion molecule CEACAM19. This 125-amino acid fragment is engineered for stability and solubility, making it ideal for structural studies, biochemical assays, and functional investigations into cell adhesion mechanisms. CEACAM19, also known as Carcinoembryonic antigen-related cell adhesion molecule 19, is a single-pass type I membrane protein localized to the cell membrane. As a member of the carcinoembryonic antigen family, it is implicated in cell adhesion processes, which are critical for tissue organization, immune responses, and cellular communication. The full-length protein's membrane association suggests potential roles in intercellular signaling and adhesion, though specific functional details are still under investigation. This recombinant fragment provides a valuable tool for exploring these biological functions without the complexities of the full membrane-bound protein.