# Recombinant CEA20 protein (His tag)

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| **Catalog Number** | 547543 |
| **Synonyms** | Carcinoembryonic antigen-related cell adhesion molecule 20; CEA cell adhesion molecule 20 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q6UY09 |
| **Molecular Weight** | Predictes a molecular mass of 44.23 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 44 kDa band. |

## Product Information

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| **Sequence Region** | 65-450 |
| **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 65-450 aa (Q6UY09) were fused with 6His tag. |

## Storage & Handling

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| **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.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Human CEACAM20 (65-450) is a high-purity protein fragment encompassing the Ig-like C2-type domains 2, 3, and 4 of CEACAM20. This product is an essential tool for investigating the protein's role in intestinal immune responses and cell adhesion mechanisms, offering researchers a targeted approach to study domain-specific functions.<br>CEACAM20 (Carcinoembryonic antigen-related cell adhesion molecule 20) is a human protein that, in collaboration with the tyrosine-protein kinase SYK, enhances production of the cytokine CXCL8/IL-8 via the NFKB pathway, contributing to the intestinal immune response. It is localized to the apical cell membrane and microvillus membranes of intestinal cells, where it colocalizes with PTPRH and CEACAM1 at the apical brush border, indicating its involvement in specialized cellular structures and signaling processes. |