

Recombinant Human CEACAM5/CEA/CD66e (145-322) Protein

Catalog No.: RP00519LQ Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 1048 P06731-1

Tags C-His

Synonyms

CEACAM-5; CD66e; CEA; Carcinoembryonic; CEACD66e

Product Information

Source Purification HEK293 cells ≥ 95 % as

≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

20.66 kDa 50-70 kDa

Endotoxin

< 1 EU/ μg of the protein by LAL method.

Formulation

Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

Reconstitution

Background

Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) was identified as a metastatic driver. CEACAM5 overproduction enriched for an epithelial gene expression pattern and facilitated tumor outgrowth at metastatic sites. Tissues from patients with metastatic breast cancer confirmed elevated levels of CEACAM5 in lung metastases relative to breast tumors, and an inverse correlation between CEACAM5 and the mesenchymal marker vimentin was demonstrated.

Basic Information

Description

Recombinant Human CEACAM5/CEA/CD66e (145-322) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Pro145-Pro322) of Human CEACAM5/CD66e (145-322) (Accession #P06731-1) fused with a C-His tag at the C-terminus.

Bio-Activity

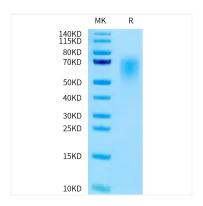
Storage

Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

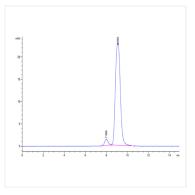
Contact

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Validation Data



Recombinant Human CEACAM5/CEA/CD66e (145-322) Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human CEACAM-5 (145-322) is greater than 95% as determined by SEC-HPLC.