

## Recombinant Human CEACAM5 Protein, DDK-tagged

Cat. No. CEACAM5-3190H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human CEACAM5 protein, fused to DDK-tagged at C-terminus, was expressed in Insect cells.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | Insect Cells   |
| <b>Description</b>      | This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | 50 mM Tris-HCl pH 8.0, 150 mM NaCl, 10% glycerol. Store at -80 Centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.  |
| <b>Molecular Mass</b>   | 71 kDa   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method   |

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## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | CEACAM5 carcinoembryonic antigen-related cell adhesion molecule 5 [ Homo sapiens ] |
| <b>Official Symbol</b> | CEACAM5  |
| <b>Synonyms</b>        | CD66e; CEA   |
| <b>Gene ID</b>         | 1048   |
| <b>mRNA Refseq</b>     | NM_004363  |
| <b>Protein Refseq</b>  | NP_004354  |
| <b>MIM</b>             | 114890   |
| <b>UniProt ID</b>      | P06731   |

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