

## Active Recombinant Canine EGFR protein(Met1-Ser618), His-tagged

**Cat. No.** EGFR-168C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Canine EGFR Protein (XP_533073.3, 1-618aa), was expressed in Insect Cells with C-terminal His tag.                                                                                                    |
| <b>Species</b>          | Canine                                                                                                                                                                                                            |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-618 aa                                                                                                                                                                                                          |
| <b>similar</b>          | EGFR                                                                                                                                                                                                              |
| <b>Alias</b>            | EGFR                                                                                                                                                                                                              |
| <b>Conjugate</b>        | C-His                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                 |
| <b>Bioactivity</b>      |                                                                                                                                                                                                                   |
| <b>MolecularMass</b>    | The recombinant canine EGFR comprises 629 amino acids and has a predicted molecular mass of 69.8 kDa. The apparent molecular mass of the protein is approximately 87.2 kDa in SDS-PAGE under reducing conditions. |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                              |                                                                                                                                                                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>             | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                  |
| <b>Purity</b>                | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>               | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>        | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |
| <b>GeneName</b>              |                                                                                                                                                                                                                                                 |
| <b>GeneNameWeblink</b>       |                                                                                                                                                                                                                                                 |
| <b>OfficialSymbol</b>        | EGFR                                                                                                                                                                                                                                            |
| <b>OfficialSymbolWeblink</b> |                                                                                                                                                                                                                                                 |
| <b>GenelD</b>                |                                                                                                                                                                                                                                                 |
| <b>GenelDWeblink</b>         |                                                                                                                                                                                                                                                 |
| <b>mRNARefseq</b>            |                                                                                                                                                                                                                                                 |
| <b>mRNARefseqWeblink</b>     |                                                                                                                                                                                                                                                 |
| <b>ProteinRefseqWeblink</b>  |                                                                                                                                                                                                                                                 |
| <b>MIMWeblink</b>            |                                                                                                                                                                                                                                                 |
| <b>UniProtID</b>             |                                                                                                                                                                                                                                                 |
| <b>UniProtIDWeblink</b>      |                                                                                                                                                                                                                                                 |

## GENE INFORMATION

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|----------|--|
| Synonyms |  |
| MIM      |  |

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