

# Recombinant Canine EGFR Protein, His-tagged, Alexa Fluor 647 conjugated

Cat. No. EGFR-168CAF647 Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Canine EGFR Protein (XP\_533073.3, 1-618aa), was expressed in Insect Cells with C-terminal His tag and Alexa Fluor 647 conjugate.

**Species** Dog

**Source** Insect Cells

**ProteinLength** 1-618 aa

**Form** Lyophilized

**Molecular Mass** 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.

**Endotoxin** < 1.0 EU/ µg of the protein as determined by the LAL method.

**Purity** > 90 % as determined by SDS-PAGE

**Characteristic**  
Disulfide-linked homodimer  
Labeled with Alexa Fluor 647 via amines  
Excitation = 650 nm  
Emission = 668 nm

 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>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH7.4.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	EGFR epidermal growth factor receptor [ <i>Canis lupus familiaris</i> ]
<b>Official Symbol</b>	EGFR
<b>Synonyms</b>	EGFR; epidermal growth factor receptor; epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian);
<b>Gene ID</b>	404306

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