

# Recombinant Rat Ctl4 Protein, His-tagged, Alexa Fluor 647 conjugated

**Cat. No.** Ctl4-1144RAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |   |
|-------------------------------------|---|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated recombinant rat Ctl4 (NP_113862.1) (Met1-Asp161) was expressed with a polyhistidine tag at the C-terminus. |
| <b>Species</b>                      | Rat   |
| <b>Source</b>                       | HEK293  |
| <b>ProteinLength</b>                | 137   |
| <b>Form</b>                         | Lyophilized   |
| <b>Molecular Mass</b>               | The recombinant rat Ctl4 consists 137 amino acids and predicts a molecular mass of 15.2 kDa.  |
| <b>N-terminal Sequence Analysis</b> | Glu 36  |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.  |
| <b>Purity</b>                       | > 95 % as determined by SDS-PAGE  |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 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

|                       |   |
|-----------------------|---|
|                       | Emission = 668 nm   |
| <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 -20 to 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, pH 7.4, 5%-8% trehalose and mannitol.   |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 647   |

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | <a href="#">Ctla4 cytotoxic T-lymphocyte-associated protein 4 [ Rattus norvegicus ]</a>   |
| <b>Official Symbol</b> | <a href="#">Ctla4</a>   |
| <b>Synonyms</b>        | CTLA4; cytotoxic T-lymphocyte-associated protein 4; cytotoxic T-lymphocyte protein 4; soluble form; CD152 antigen; transmembrane form; Cd152; CTLA-4; sCTLA4; |
| <b>Gene ID</b>         | <a href="#">63835</a>   |
| <b>mRNA Refseq</b>     | <a href="#">NM_031674</a>   |
| <b>Protein Refseq</b>  | <a href="#">NP_113862</a>   |

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