

# Recombinant Rat Cd40 Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** Cd40-8726RAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 647 conjugated recombinant Rat Cd40 (Q4QQW2) (Met1-Arg193), fused with the Fc region of human IgG1 at the C-terminus, was produced in Human Cell.                                                                                                        |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 415                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | The recombinant rat CD40/Fc is a disulfide-linked homodimer. The reduced monomer comprises 415 amino acids and has a predicted molecular mass of 46.2 kDa. The apparent molecular mass of the protein is approximately 53 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                         |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                                                                                                    |
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                                                                                                       |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 a 0.2 µm filtered solution of PBS, pH 7.4                                                                                                                |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. 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>       | Cd40 CD40 molecule, TNF receptor superfamily member 5 [ Rattus norvegicus ] |
| <b>Official Symbol</b> | Cd40                                                                        |
| <b>Gene ID</b>         | 171369                                                                      |
| <b>mRNA Refseq</b>     | NM_134360                                                                   |
| <b>Protein Refseq</b>  | NP_599187                                                                   |

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