

# Recombinant Rat Cd276 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** Cd276-41RAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant Rat Cd276 (Q7TPB4) (Met1-Phe244), fused with a polyhistidine tag at the C-terminus, was produced in Human Cells.                                                                                 |
| <b>Species</b>                      | Rat                                                                                                                                                                                                                                     |
| <b>Source</b>                       | HEK293                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>                | 227                                                                                                                                                                                                                                     |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>               | The recombinant rat CD276 comprises 227 amino acids and predicts a molecular mass of 25 kDa. The apparent molecular mass of the recombinant protein is approximately 43 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>N-terminal Sequence Analysis</b> | Val 29                                                                                                                                                                                                                                  |
| <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 488 via amines                                                                                                                                                                   |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 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. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.                                               |
| <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 488                                                                                                                                                           |

## GENE INFORMATION

|                        |                                            |
|------------------------|--------------------------------------------|
| <b>Gene Name</b>       | Cd276 Cd276 molecule [ Rattus norvegicus ] |
| <b>Official Symbol</b> | Cd276                                      |
| <b>Gene ID</b>         | 315716                                     |
| <b>mRNA Refseq</b>     | NM_182824                                  |
| <b>Protein Refseq</b>  | NP_877976                                  |

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