

# Recombinant Rat Fc $\epsilon$ 2 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** FCER2-343RAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Alexa Fluor 555 conjugated recombinant Rat Fc $\epsilon$ 2 (Q6AZ45) (Glu50-Pro331), fused with the Fc region of human IgG1 at the N-terminus, was produced in Human Cells.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	542
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The recombinant rat FCER2 comprises 542 amino acids and predicts a molecular mass of 60.2 kDa. The apparent molecular mass of the recombinant protein is approximately 61 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>N-terminal Sequence Analysis</b>	Glu
<b>Endotoxin</b>	< 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.
<b>Purity</b>	> 90 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines

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With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

**Stability**

Samples are stable for up to 12 months from date of receipt at -70 centigrade.

**Storage**

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.

**Storage Buffer**

Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.

**Reconstitution**

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.

**Conjugation**

Alexa Fluor 555

## GENE INFORMATION

**Gene Name**

Fcer2 Fc fragment of IgE, low affinity II, receptor for (CD23) [ *Rattus norvegicus* ]

**Official Symbol**

Fcer2

**Gene ID**

171075

**mRNA Refseq**

NM\_001033924

**Protein Refseq**

NP\_001029096

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