

Active Recombinant Rat Epha3 Protein, Fc-tagged, Alexa Fluor 555 conjugated

Cat. No. Epha3-551RAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the rat EPHA3 (EDL75897.1) (Met1-His541) (Alexa Fluor 555 conjugated) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-His541 762
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rat EFNA5-His at 10 µg/mL (100 µL/well) can bind rat EPHA3-Fc, The EC50 of rat EPHA3-Fc is 12.1-28.4 ng/mL.
Molecular Mass	The recombinant rat EPHA3/Fc is a disulfide-linked homodimer. The reduced monomer comprises 762 amino acids and has a predicted molecular mass of 85.8 kDa. The apparent molecular mass of the protein is approximately 103 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines 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 -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH7.4.
Conjugation	Alexa Fluor 555

GENE INFORMATION

Gene Name	Epha3 Eph receptor A3 [Rattus norvegicus]
Official Symbol	Epha3
Synonyms	EPHA3; Eph receptor A3; ephrin type-A receptor 3; EK4; rEK4; EPH-like kinase 4; tyrosine-protein kinase TYRO4; tyrosine-protein kinase receptor REK4;
Gene ID	29210
mRNA Refseq	NM_031564
Protein Refseq	NP_113752

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