

# Recombinant Rat Epha3 Protein, His-tagged, Alexa Fluor 647 conjugated

**Cat. No.** Epha3-552RAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | A DNA sequence encoding the rat EPHA3 (EDL75897.1) (Met1-His541) (Alexa Fluor 647 conjugated) was expressed with a polyhistidine tag at the C-terminus.                                                                                     |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Met1-His541 532                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | The recombinant rat EPHA3 comprises 532 amino acids and predicts a molecular mass of 61.2 kDa. The apparent molecular mass of the recombinant protein is approximately 70.5 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                            |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                                                                           |

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 -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, pH7.4.                                                                                                                         |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                              |

## GENE INFORMATION

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Epha3 Eph receptor A3 [ Rattus norvegicus ]</a>                                                                                           |
| <b>Official Symbol</b> | <a href="#">Epha3</a>                                                                                                                                 |
| <b>Synonyms</b>        | EPHA3; Eph receptor A3; ephrin type-A receptor 3; EK4; rEK4; EPH-like kinase 4; tyrosine-protein kinase TYRO4; tyrosine-protein kinase receptor REK4; |
| <b>Gene ID</b>         | <a href="#">29210</a>                                                                                                                                 |
| <b>mRNA Refseq</b>     | <a href="#">NM_031564</a>                                                                                                                             |
| <b>Protein Refseq</b>  | <a href="#">NP_113752</a>                                                                                                                             |

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