

# Recombinant Human EPHA3 Protein, His-tagged, Alexa Fluor 647 conjugated

**Cat. No.** EPHA3-8547HAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                          |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated recombinant human EPHA3 (Met1-Gln541), fused with a polyhistidine tag at the C-terminus, was produced in Human Cells.                                         |
| <b>Species</b>                      | Human                                                                                                                                                                                    |
| <b>Source</b>                       | HEK293                                                                                                                                                                                   |
| <b>ProteinLength</b>                | 532                                                                                                                                                                                      |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                              |
| <b>Molecular Mass</b>               | The recombinant human EPHA3 consists of 532 amino acids and predicts a molecular mass of 60.3 kDa. It migrates as an approximately 65-70 kDa band in SDS-PAGE under reducing conditions. |
| <b>N-terminal Sequence Analysis</b> | Glu 21                                                                                                                                                                                   |
| <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 647 via amines                                                                                                                    |

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|                       |                                                                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | 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.                                                                                            |
| <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 647                                                                                                                                                           |

## GENE INFORMATION

|                        |                                        |
|------------------------|----------------------------------------|
| <b>Gene Name</b>       | EPHA3 EPH receptor A3 [ Homo sapiens ] |
| <b>Official Symbol</b> | EPHA3                                  |
| <b>Gene ID</b>         | 2042                                   |
| <b>mRNA Refseq</b>     | NM_005233                              |
| <b>Protein Refseq</b>  | NP_005224                              |
| <b>MIM</b>             | 179611                                 |
| <b>UniProt ID</b>      | P29320                                 |

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