

# Recombinant Human FGFR3 Protein, His-tagged, Alexa Fluor 647 conjugated

**Cat. No.** FGFR3-780HAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated recombinant human FGFR3(alpha(IIIb)) (NP_001156685.1) (Met1-Gly377) was expressed with a polyhistidine tag at the C-terminus. |
| <b>Species</b>                      | Human                                                                                                                                                    |
| <b>Source</b>                       | HEK293                                                                                                                                                   |
| <b>ProteinLength</b>                | 366                                                                                                                                                      |
| <b>Form</b>                         | Lyophilized                                                                                                                                              |
| <b>Molecular Mass</b>               | 40 kDa                                                                                                                                                   |
| <b>N-terminal Sequence Analysis</b> | Glu 23                                                                                                                                                   |
| <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<br>Excitation = 650 nm                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | 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, 5%-8% trehalose and mannitol.                                                                                                                     |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. 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>       | FGFR3 fibroblast growth factor receptor 3 [ Homo sapiens ]                                                                                                                           |
| <b>Official Symbol</b> | FGFR3                                                                                                                                                                                |
| <b>Synonyms</b>        | FGFR3; fibroblast growth factor receptor 3; ACH, achondroplasia, thanatophoric dwarfism; CD333; CEK2; JTK4; FGFR-3; tyrosine kinase JTK4; hydroxyaryl-protein kinase; ACH; HSFGR3EX; |
| <b>Gene ID</b>         | 2261                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_000142                                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_000133                                                                                                                                                                            |

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| MIM | 134934 |
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| UniProt ID | P22607 |
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