

# Recombinant Human FGFR2 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** FGFR2-776HAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant human FGFR2 (beta(IIIc)) (NP_001138387.1) (Met1-Glu288) was expressed with a polyhistidine tag at the C-terminus. |
| <b>Species</b>                      | Human                                                                                                                                                    |
| <b>Source</b>                       | HEK293                                                                                                                                                   |
| <b>ProteinLength</b>                | 278                                                                                                                                                      |
| <b>Form</b>                         | Lyophilized                                                                                                                                              |
| <b>Molecular Mass</b>               | 31.2 kDa                                                                                                                                                 |
| <b>N-terminal Sequence Analysis</b> | Arg 22                                                                                                                                                   |
| <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 488 via amines<br>Excitation Wavelength: 488 nm                                                   |

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|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | Emission Wavelength: 515-545 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 488                                                                                                                                                                         |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FGFR2 fibroblast growth factor receptor 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b> | FGFR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | FGFR2; fibroblast growth factor receptor 2; bacteria expressed kinase , BEK, CFD1, craniofacial dysostosis 1 , Jackson Weiss syndrome , JWS, keratinocyte growth factor receptor , KGFR; CD332; CEK3; Crouzon syndrome; ECT1; K SAM; Pfeiffer syndrome; TK14; TK25; FGFR-2; FGF receptor; soluble FGFR4 variant 4; bacteria-expressed kinase; hydroxyaryl-protein kinase; keratinocyte growth factor receptor; BEK fibroblast growth factor receptor; protein tyrosine kinase, receptor like 14; BEK; JWS; CFD1; KGFR; BFR-1; K-SAM; FLJ98662; |
| <b>Gene ID</b>         | 2263                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|----------------|---------------------------|
| mRNA Refseq    | <a href="#">NM_000141</a> |
| Protein Refseq | <a href="#">NP_000132</a> |
| MIM            | <a href="#">176943</a>    |
| UniProt ID     | <a href="#">P21802</a>    |

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