

# Recombinant Human FGFR3 protein, His-B2M-tagged

**Cat. No.** FGFR3-2917H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FGFR3 protein(P22607)(397-806aa), fused to N-terminal His tag and B2M tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 397-806aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | 59.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | <p>RLRSPPKKGLGSPTVHKISRFLKRQVSLESNASMSSNTPLVRIARLSSGEGPTLAN</p> <p>VSELELPADPKWELSRARLTGKPLGEGCFGQVMAEAIGIDKDRAAKPVTVAVKML</p> <p>KDDATDKDLSDLVSEMEMMKMIGKHKNIIINLLGACTQGGPLYVLVEYAAKGNLREFL</p> <p>RARRPPGLDYSFDTCKPPEEQLTFKDLVSCAYQVARGMEYLASQKCIHRDLAARNV</p> <p>LVTEDNVMKIADFGLARDVHNLDYYKKTNGRLPVKWMAPEALFDRVYTHQSDVW</p> <p>SFGVLLWEIFTLGGSPYPGIPVEELFKLLKEGHRMDKPANCTHDLYMIMRECWAAP</p> <p>SQRPTFKQLVEDLDRVLTVTSTDEYLDLSAPFEQYSPGGQDTPSSSSSGDDSVFAH</p> <p>DLLPPAPPSSGGSRT</p> |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

## 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; HSGFR3EX; |
| <b>Gene ID</b>         | 2261                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_000142                                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_000133                                                                                                                                                                            |
| <b>MIM</b>             | 134934                                                                                                                                                                               |
| <b>UniProt ID</b>      | P22607                                                                                                                                                                               |

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