# Recombinant Active Human FGF22 Protein, His and SUMO-tagged(N-ter)

**Cat. No.** FGF22-82H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Active Human FGF22 Protein with His and SUMO tag (N-ter) was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. The mouse homolog of this gene was found to be preferentially expressed in the inner root sheath of the hair follicle, which suggested a role in hair development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014] |
| **Form** | Powder |
| **Bio-activity** | Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 2 ng/mL. |
| **AA Sequence** | TPSASRGPRSYPHLEGDVRWRRLFSSTHFFLRVDPGGRVQGTRWRHGQDSILEIR SVHVGVVVIKAVSSGFYVAMNRRGRLYGSRLYTVDCRFRERIEENGHNTYASQRW RRRGQPMFLALDRRGGPRPGGRTRRYHLSAHFLPVLVS |

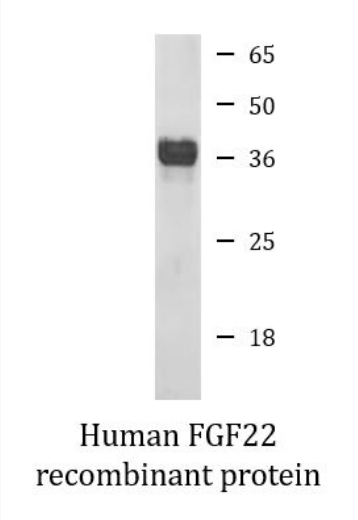
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| **Endotoxin** | Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test. |
| **Purity** | > 98% (by SDS-PAGE) |
| **Applications** | SDS-PAGE |
| **Notes** | For laboratory research only, not for drug, diagnostic or other use. |
| **Storage** | Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. |
| **Storage Buffer** | PBS (pH 8.0) |
| **Reconstitution** | It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely. |

## GENE INFORMATION

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| **Gene Name** | FGF22 fibroblast growth factor 22 [ Homo sapiens ] |
| **Official Symbol** | FGF22 |
| **Synonyms** | FGF22; fibroblast growth factor 22; FGF-22; |
| **Gene ID** | 27006 |
| **mRNA Refseq** | NM_020637 |

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| **Protein Refseq** | NP_065688 |
| **MIM** | 605831 |
| **UniProt ID** | Q9HCT0 |
| **SDS-PAGE** |  Human FGF22 recombinant protein |

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