

## Active Recombinant Human FGF23 Protein (Tyr25-Ile251), C-His tagged, Animal-free, Carrier-free

**Cat. No.** FGF23-298H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FGF23 Protein (Tyr25-Ile251) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Tyr25-Ile251                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Fibroblast Growth Factors-23 (FGF-23) is a 28 kDa member of the fibroblast Growth Factors with 251 amino acid residues. FGF-23 is expressed from brain, hepatic stellate cells, cone photoreceptor cells, early spermatids. FGF-23 involved phosphate metabolism and vitamin D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization. |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                           |
| <b>Bio-activity</b>     | Measure by its ability to induce proliferation in BaF3 cells transfected with human FGFRIIIc. The ED50 for this effect is < 0.3 µg/mL.                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | The protein has a calculated MW of 26.27 kDa.<br>The protein migrates as 26 kDa under reducing condition (SDS-PAGE analysis).                                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by the LAL method.                                                                                                                                                                                                                                                                                                                         |

 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

|                       |                                                                                                                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >98% as determined by SDS-PAGE analysis.                                                                                                                                                                                                                         |
| <b>Storage</b>        | <p>This product is stable after storage at:</p> <p>-20 centigrade for 12 months in lyophilized state from date of receipt.</p> <p>-20 or -80 centigrade for 1 month under sterile conditions after reconstitution.</p> <p>Avoid repeated freeze/thaw cycles.</p> |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.                                                                                                                                                                                                      |
| <b>Reconstitution</b> | It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.                                                       |
| <b>Shipping</b>       | The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FGF23 fibroblast growth factor 23 [ Homo sapiens (human) ]                                                                                                           |
| <b>Official Symbol</b> | FGF23                                                                                                                                                                |
| <b>Synonyms</b>        | FGF23; fibroblast growth factor 23; ADHR; FGFN; HYPF; HFTC2; HPDR2; PHPTC; fibroblast growth factor 23; phosphatonin; tumor-derived hypophosphatemia inducing factor |
| <b>Gene ID</b>         | 8074                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_020638                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_065689                                                                                                                                                            |

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

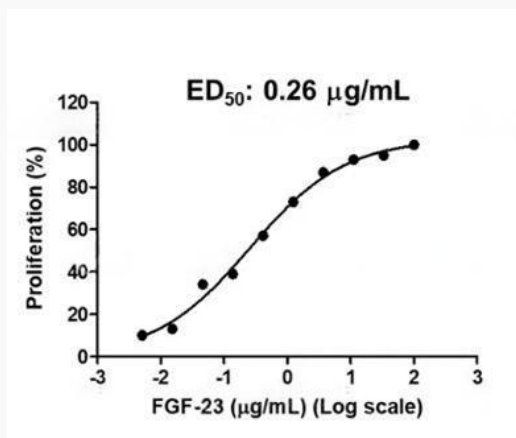
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**MIM** 605380

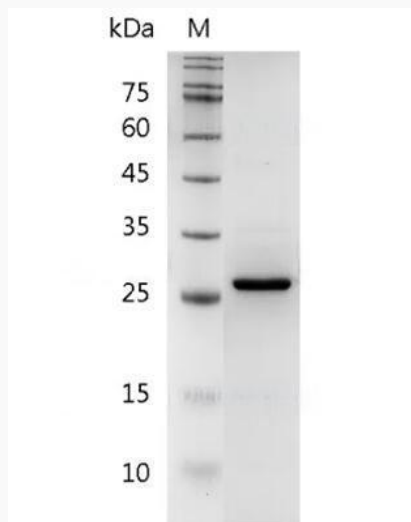
**UniProt ID** Q9GZV9

**Activity**



Human FGF-23, His Tag, E. coli (LDG087PHE) induced proliferation in BaF3 cells transfected with human FGFR1Ic, with the ED50 at 0.26 µg/mL.

**SDS-PAGE analysis  
of recombinant  
human FGF-23.**



 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