

## Recombinant Human FGF23 Protein (Y25-R179), His tagged

Cat. No. FGF23-1014H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                          |
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| Product Overview | Recombinant Human 6His-TEV-FGF-23(Y25-R179) Protein was expressed in E. coli.                                                                                                                                                                                                                                                            |
| Species          | Human                                                                                                                                                                                                                                                                                                                                    |
| Source           | E.coli                                                                                                                                                                                                                                                                                                                                   |
| ProteinLength    | Y25-R179                                                                                                                                                                                                                                                                                                                                 |
| Description      | Regulator of phosphate homeostasis. Inhibits renal tubular phosphate transport by reducing SLC34A1 levels. Up-regulates EGR1 expression in the presence of KL. Acts directly on the parathyroid to decrease PTH secretion. Regulator of vitamin-D metabolism. Negatively regulates osteoblast differentiation and matrix mineralization. |
| Form             | Liquid                                                                                                                                                                                                                                                                                                                                   |
| Endotoxin        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                                          |
| Purity           | 90%                                                                                                                                                                                                                                                                                                                                      |
| Stability        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                                                                                                |
| Storage          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                      |

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|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
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| <b>Shipping</b> | It is shipped out with blue ice. |
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## GENE INFORMATION

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| <b>Gene Name</b> | FGF23 fibroblast growth factor 23 [ Homo sapiens (human) ] |
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|------------------------|-------|
| <b>Official Symbol</b> | FGF23 |
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|                 |                                     |
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| <b>Synonyms</b> | FGF23; fibroblast growth factor 23; |
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|                |      |
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| <b>Gene ID</b> | 8074 |
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|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_020638 |
|--------------------|-----------|

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| <b>Protein Refseq</b> | NP_065689 |
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| <b>MIM</b> | 605380 |
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| <b>UniProt ID</b> | Q9GZV9 |
|-------------------|--------|

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