

**PRODUCT INFORMATION**

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|---|---|
| <b>Target</b>                           | FGF-19  |
| <b>Synonyms</b>                         | Fibroblast growth factor 19;FGF-19;FGF19  |
| <b>Description</b>                      | Recombinant Human Fibroblast Growth Factor 19 is produced by our E.coli expression system and the target gene encoding Phe27-Lys216 is expressed with a 6His tag at the N-terminus.   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | O95750  |
| <b>Expression Host</b>                  | E.coli  |
| <b>Tag</b>                              |   |
| <b>Molecular Characterization</b>       | Not available   |
| <b>Molecular Weight</b>                 | 23.5 KDa  |
| <b>Purity</b>                           | Greater than 95% as determined by reducing SDS-PAGE.  |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM EDTA, pH 8.0.   |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | Fibroblast growth factor 19 (FGF19) is a secreted protein which belongs to the FGFs family. FGF19 is expressed in fetal brain, cartilage, retina, and adult gall bladder. FGFs modulate cellular activity via at least 5 distinct subfamilies of high-affinity FGF receptors (FGFRs): FGFR-1, -2, -3, and -4, all with intrinsic tyrosine kinase activity. FGFRs can be important for regulation of glucose and lipid homeostasis. FGF19 has important roles as a hormone produced in the ileum in response to bile acid absorption. It has been shown to cause resistance to diet-induced obesity and insulin desensitization and to improve insulin, glucose, and lipid profiles in diabetic rodents. FGF19 can be considered as a regulator of energy expenditure. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



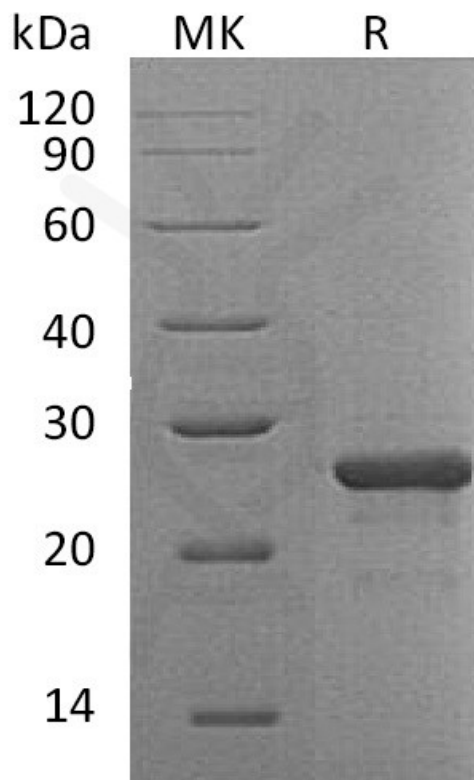


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

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