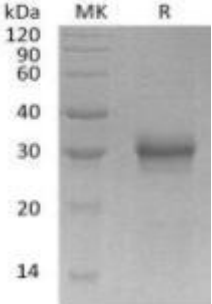


## Recombinant Human FGF-17

Catalog#:P01590    Derived from Human Cells

|                        |   |
|------------------------|---|
| <b>DESCRIPTION</b>     | <p>Recombinant Human Fibroblast Growth Factor 17 is produced by our Mammalian expression system and the target gene encoding Thr23-Thr216 is expressed with a 6His tag at the C-terminus.</p> <p><b>Accession#:</b> O60258</p> <p><b>Known as:</b> Fibroblast Growth Factor 17; FGF- 17; FGF17</p>  |
| <b>FORMULATION</b>     | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.   |
| <b>SHIPPING</b>        | <p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>  |
| <b>STORAGE</b>         | <p>Lyophilized protein should be stored at &lt;-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>   |
| <b>RECONSTITUTION</b>  | <p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100μg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>  |
| <b>QUALITY CONTROL</b> | <p><b>Mol Mass:</b>22.64kDa    <b>AP Mol Mass:</b>31kDa, reducing conditions.</p> <p><b>Purity:</b> Greater than 95% as determined by reducing SDS-PAGE.</p> <p><b>Endotoxin:</b> Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>  |
| <b>BACKGROUND</b>      | <p>Fibroblast Growth Factor 17 (FGF17) is a member of the heparin-binding growth factors family that is prominently expressed in the cerebellum and cortex. Proteins of this family possess broad mitogenic and cell survival activities and they are involved in a variety of biological processes including embryonic development cell growth, morphogenesis, tissue repair, tumor growth, and invasion. FGF17 plays an important role in the regulation of embryonic development and it acts as signaling molecule in the induction and patterning of the embryonic brain. In addition, FGF17 stimulates the proliferation and activation of cells that express FGF receptors.</p> |
| <b>SDS-PAGE</b>        |  <p>The SDS-PAGE gel shows two lanes, MK and R. The molecular weight markers on the left are 120, 90, 60, 40, 30, 20, and 14 kDa. A single prominent band is visible in both lanes at approximately 30 kDa.</p>  |