



# Recombinant Rat Fibroblast growth factor 5 (Fgf5)

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| <b>Product Code</b>      | CSB-YP008632RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Uniprot No.</b>       | P48807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Sequence</b>          | APA QGEKRLTPEG QPAPPRNPGD SSGSRGRSSA TFASSSASSP<br>VAASPGSQGS GSEHSSFQWS PSGRRTGSLY CRVGIGFHLQ IYPDGKVNGS<br>HEASVLSILE IFAVSQGIVG IRGVFSNKFL AMSKKGKLHA SAKFTDDCKF<br>RERFQENSYN TYASAIHRTE KTGREWYVAL NKRKGAKRGC SPRVKPQHVS<br>THFLPRFKQS EQPELSFTVT VPEKKKPPRP WKPKVPLSPS RRSPSPVKYR<br>LKFRFG                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target Names</b>      | Fgf5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Names</b>     | Recommended name: Fibroblast growth factor 5 Short name= FGF-5 Alternative name(s): Heparin-binding growth factor 5 Short name= HBGF-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Expression Region</b> | 18-266                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Target Details</b>    | <p>This protein 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. This gene was identified as an oncogene, which confers transforming potential when transfected into mammalian cells. Targeted disruption of the homolog of this gene in mouse resulted in the phenotype of abnormally long hair, which suggested a function as an inhibitor of hair elongation. Alternatively spliced transcript variants encoding different isoforms have been identified.</p> |
| <b>Reconstitution</b>    | <p>We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.</p>                                                                                                                                                                                                                                                                                               |
| <b>Shelf Life</b>        | <p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |



of lyophilized form is 12 months at -20°C/-80°C.