



# Recombinant Rat Fibroblast growth factor 16 (Fgf16)

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| <b>Product Code</b>      | CSB-MP008621RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Uniprot No.</b>       | O54769                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Sequence</b>          | MAEVGGVFAS LDWDLQGFSS SLGNVPLADS PGFLNERLGQ IEGKLQRGSP<br>TDF AHLK GIL RRRQLYCRTG FHLEIFPNGT VHGTRHDHSR FGILEFISLA<br>VGLISIRGVD SGLYLG MNER GELFGSKKLT RECVFREQFE ENWYNTYAST<br>LYKHSDSERQ YYVALNKDGS PREGYRTRKH QKFTHFLPRP VDPSKLP SMS<br>RDLFRYR                                                                                                                                                                                                                                                          |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Target Names</b>      | Fgf16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Names</b>     | Recommended name: Fibroblast growth factor 16 Short name= FGF-16                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b> | 1-207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Details</b>    | 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. The rat homolog is predominantly expressed in embryonic brown adipose tissue and has significant mitogenic activity, which suggests a role in proliferation of embryonic brown adipose tissue. |
| <b>Reconstitution</b>    | 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.                                                                                                  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                              |