



Recombinant Rat Fibroblast growth factor 7 (Fgf7)

Product Code	CSB-EP008634RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q02195
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	CNDMSPEQT ATSVNCSSPE RHTRSYDYME GGDIVRRLF CRTQWYLRID KRGKVKGTQE MRNSYNIMEI MTVAVGIVAI KGVESEYYLA MNKQGELYAK KECNEDCNFK ELILENHYNT SASAKWTHSG GEMFVALNQK GLPVKGGKTK KEQKTAHFLP MAIT
Source	E.coli
Target Names	Fgf7
Protein Names	Recommended name: Fibroblast growth factor 7 Short name= FGF-7 Alternative name(s): Heparin-binding growth factor 7 Short name= HBGF-7 Keratinocyte growth factor
Expression Region	32-194
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 protein is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis.
Reconstitution	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.
Shelf Life	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.