



Recombinant Bovine Fibroblast growth factor 4 (FGF4)

Product Code	CSB-EP008631BO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P48803
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	≥85% (SDS-PAGE)
Sequence	A PTAPNGTLEA ELERRWESLV ARSLLAGLPV AAQPKEAAVQ SGAGDYLLGI KRLRRLYCNV GIGFHLQVLP DGRIGGVHAD TSDSLELSP VERGVVSIFG VASRFFVAMS SRGRLYGSPF FTDECRFREI LLPNNYNAYE CDRHPGMFIA LSKNGKAKKG NRVSPMKVT HFLPRL
Source	E.coli
Target Names	FGF4
Protein Names	Recommended name: Fibroblast growth factor 4 Short name= FGF-4 Alternative name(s): Heparin secretory-transforming protein Short name= HST Heparin-binding growth factor 4 Short name= HBGF-4
Expression Region	30-206
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 gene was identified by its oncogenic transforming activity. This gene and FGF3, another oncogenic growth factor, are located closely on chromosome 11. Co-amplification of both genes was found in various kinds of human tumors. Studies on the mouse homolog suggested a function in bone morphogenesis and limb development through the sonic hedgehog (SHH) signaling pathway.
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.