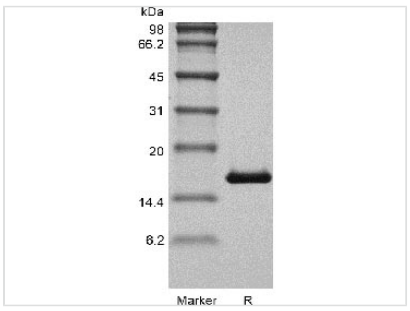
Recombinant Human Basic Fibroblast Growth Factor (FGF2), partial (Active) (GMP)

Product Code	CSB-AP005911HU
Uniprot No.	P09038
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM Tris-HCl, pH 7.6, with 150mM NaCl.
Product Type	Growth Factor
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 0.05 ng/ml, corresponding to a specific activity of > 2.0 × 107 IU/mg.
Purity	≥ 98 % by SDS-PAGE and HPLC analyses.
Sequence	M+PALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGVREKSDPH IKLQLQAEERGVVSIKGVCANRYLAMKEDGRLLASKCVTDECFFFERLESNNY NTYRSRKYTSWYVALKRTGQYKLGSKTGPGQKAILFLPMSAKS
Research Area	Signal Transduction
Source	E.Coli
Target Names	FGF2
Expression Region	143-288aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	16.5 kDa
Protein Length	Partial
PubMed ID	3472745; 3780670; 2538817; 19054851; 15815621; 1785797; 2435575; 1721615; 8564983; 3579930; 2435284; 3964259; 3732516; 1417798; 1885605; 8663044; 10358027; 11509569; 11964394; 16257968; 18669637; 20230531; 15863030; 20094046; 22321063; 23469107; 25114211;
Image	 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Endotoxin	Less than 0.01 EU/μg of rHubFGF GMP as determined by LAL method.
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.