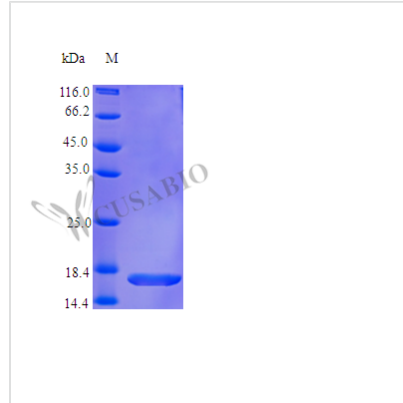




# Recombinant Human Fibroblast growth factor 1 protein (FGF1) (Active)

<b>Product Code</b>	CSB-AP002391HU
<b>Abbreviation</b>	Recombinant Human FGF1 protein (Active)
<b>Uniprot No.</b>	P05230
<b>Form</b>	Lyophilized powder
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
<b>Product Type</b>	Growth Factor
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	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 0.5 ng/ml, corresponding to a specific activity of >2.0x10 <sup>6</sup> IU/mg in the presence of 10 µg/ml of heparin.
<b>Purity</b>	≥95% as determined by SDS-PAGE.
<b>Sequence</b>	M+FNLPPGNYK KPKLLYCSNG GHFLRILPDG TVDGTRDRSD QHIQLQLSAE SVGEVYIKST ETGQYLAMDTDGLLYGSQTPNEECLFLERL EENHYNTYIS KKHAEKNWFV GLKKNNGSCKR GPRTHYGQKA ILFLPLPVSS D
<b>Research Area</b>	Cancer
<b>Source</b>	E.coli
<b>Target Names</b>	FGF1
<b>Expression Region</b>	16-155aa
<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-Free
<b>Mol. Weight</b>	16.0 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>PubMed ID</b>	3523756; 2590193; 2474753; 1693186; 1717925; 1372643; 7504343; 14702039; 15372022; 15489334; 2393407; 2427112; 3527167; 3778488; 3964259; 3732516; 1885605; 8663044; 11432880; 11964394; 16597617; 18400376; 20863990; 15863030; 20094046; 22321063; 1702556; 8

## Image


**Endotoxin**

Less than 1.0 EU/μg 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.