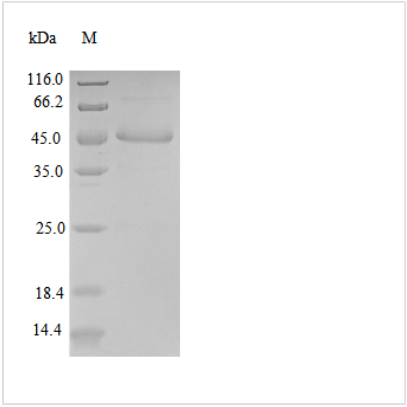
Recombinant Human Fibroblast growth factor 10 (FGF10)

Product Code	CSB-EP008616HU
Relevance	Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. Required for normal branching morphogenesis. May play a role in wound healing.
Abbreviation	Recombinant Human FGF10 protein
Storage	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.
Uniprot No.	O15520
Alias	Keratinocyte growth factor 2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QALGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSFTKY FLKIEKNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSNYYLAMNKKGKLYGS KEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRR KNTSAHFLPMVVHS
Research Area	Cardiovascular
Source	E.coli
Target Names	FGF10
Expression Region	38-208aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	46.3kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The gene encoding the Human FGF10 protein (38-208aa) creates recombinant plasmid, which is then transformed into e.coli cells. e.coli cells that can endure a specific antibiotic are selected and cultured under conditions that encourage the expression of the gene of interest. The protein features a N-terminal GST tag fusion. Following expression, affinity purification is employed to isolate and purify the recombinant Human FGF10 protein from the cell lysate. Denaturing SDS-PAGE is applied to resolve the resulting recombinant Human FGF10 protein, indicating a purity level exceeding 90%.

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

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