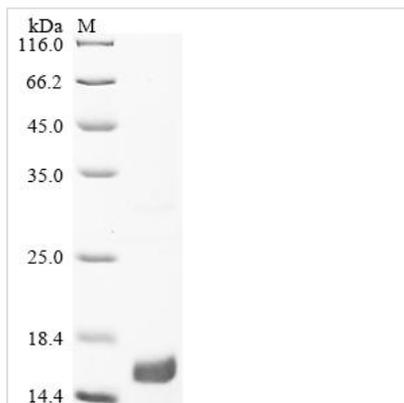




Recombinant Human Bone morphogenetic protein 3B (GDF10)

Product Code	CSB-EP009343HU
Abbreviation	Recombinant Human GDF10 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.	P55107
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Human Bone morphogenetic protein 3B(GDF10)
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QWDEPRVCSRRYLKVDFA DIGWNEWIISPKSFDAYYCAGACEFPMPKIVRPSN HATIQSIVRAVGIIPGIPEPCCVPDKMNSLGLVFLDENRNVVLKVYPNMSVDTC ACR
Research Area	Cancer
Source	E.coli
Target Names	GDF10
Expression Region	369-478aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	16.1 kDa
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 recombinant Human GDF10 protein production is achieved through the manipulation of desired gene expression in e.coli cells. The sequence (369-478aa) of foreign DNA is fused to an expression vector and then transformed into e.coli cells. The positive cells are selected and cultured to induce the expression of the desired protein. A N-terminal 10xHis tag is fused to the protein. The recombinant Human GDF10 protein is subjected to affinity purification. Its purity is over 90%, as measured by SDS-PAGE.

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.