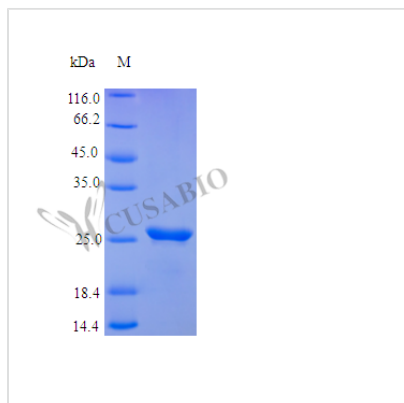




Recombinant Human Fibroblast growth factor 23 protein (FGF23) (Active)

Product Code	CSB-AP002481HU
Abbreviation	Recombinant Human FGF23 protein (Active)
Uniprot No.	Q9GZV9
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm filtered PBS, pH 7.4
Product Type	Growth Factor
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5 µg/ml, corresponding to a specific activity of >2.0x10 ³ IU/mg in the presence of 0.3 ug/ml of rMuKlotho and 10 µg/ml of heparin.
Purity	≥95% as determined by SDS-PAGE.
Sequence	YPNASPLLGS SWGGLIHLYT ATARNSYHLQ IHKNGHVDGA PHQTIYSALM IRSEDAGFVV ITGVMSRRYL CMDFRGNIFG SHYFDPENCR FQHQTLENGY DVYHSPQYHF LVSLGRAKRA FLPGMNPYPY SQFLSRRNEI PLIHFNTPIP RRHTRSAEDD SERDPLNVLK PRARMTPAPA SCSQELPSAE DNSPMASDPL GVVRGGRVNT HAGGTGPEGC RPFKFI
Research Area	Cancer
Source	E.coli
Target Names	FGF23
Expression Region	25-251aa
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	25.3 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	11032749; 11062477; 11344269; 12975309; 15489334; 15340161; 11409890; 11157998; 12130585; 12952917; 15268897; 15040831; 16597617; 16638743; 18282132; 20094046; 17339340; 16151858; 15590700; 16030159; 24680727

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.