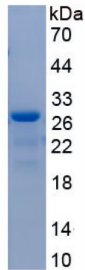
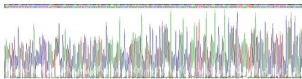


## Pig Fibroblast Growth Factor 21 (FGF21) Protein

Catalogue No.: abx652208



SDS-PAGE analysis of recombinant Pig Fibroblast Growth Factor 21 (FGF21) Protein.



Gene sequencing extract of recombinant Pig Fibroblast Growth Factor 21 (FGF21) Protein.

Fibroblast Growth Factor 21 (FGF21) Protein is a recombinant pig protein produced in a prokaryotic expression system (E. coli).

**Target:** Fibroblast Growth Factor 21 (FGF21)

**Origin:** Pig

**Expression:** Recombinant

**Tested Applications:** WB, SDS-PAGE

**Host:** E. coli

**Conjugation:** Unconjugated

**Form:** Lyophilized

**Purity:** > 90%

**Reconstitution:** To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH<sub>2</sub>O. If a lower concentration is required, dilute in 10 mM PBS, pH 7.4. If a higher concentration is required, the product can be reconstituted directly in 10 mM PBS, pH 7.4, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

# Datasheet

Version: 5.0.0  
Revision date: 23 Feb 2025



**Storage:** Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** C6JWG4 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** FGF21

**GeneID:** [100302504](#)

**Ensembl:** ENSSCG00000003140

**String:** [9823.ENSSSCP00000003399](#)

**Molecular Weight:** Calculated MW: 23.2 kDa  
Observed MW (SDS-PAGE): 27 kDa  
Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

**Sequence Fragment:** Arg28-Ser208

**Sequence:** RPI PDSSPLLQFG GQVRQRYLYT DDAQETEAHL EIRADGTVAG VARQSPESLL ELKALKPGVI  
QILGV  
QTSRF LCQGPDGRLY GSLHFDPEAC SFRELLLEDG YNVYQSEALG LPLRLPPHRS SNRD LAPRGP  
ARF  
LPLPGLP PAPPPEPPGIL APEPPDVGSS DPLSMVGPSH GRSPSYTS

**Tag:** N-terminal His tag

**Buffer:** Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 5% Trehalose.

**Activity:** Not tested

**Concentration:** Prior to lyophilization: 150 µg/ml

**Note:** This product is for research use only.  
Not for human consumption, cosmetic, therapeutic or diagnostic use.