

# Recombinant Fibroblast Growth Factor 21 (FGF21)

Catalog No.: OM643587

## Sequence Information

**Species:** Human

**Gene ID:**26291

**Swiss Prot:**Q9NSA1

**Residues:**His29-Ser209

HPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDDTVGGAADQSPESLLQLKALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHGLPLHLPGNKSPhrDPAPRGPARFLPLPLPALPEPPGILAPQPPDVGSSDPLSMVGPSQGRSPSYAS

## Product Information

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Tags:**N-terminal Tags

**Subcellular Location:** Secreted.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:**PBS, pH7.4, containing 0.1% SKL, 5% Trehalose.

**Original Concentration:** 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.2

**Predicted Molecular Mass:** 23.2kDa

**Accurate Molecular Mass:** 27kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

10CCCCCTCTCTGACTCGTCTCTCTCTGCAATCTG9999GCGAGTCTCGGAGGGTACTCTACACGAGATGTCGCCAGCGACGACGAGGCTCACTTGGAGATCG999AGATG99AGCG9TG999999GCTGCTGACGAGGCCCCGAAAGTCTCTCTGCACTGAAAGCCTTGAGGCTGGAGGTTATTCAATCTTGG99AG  
 RPIPDSSPFLQLQFGGQVVRQRYLYTDDAQQQTEAHLEIREDDGTGVGGAADQSPFESLLQLKALKPKFGVVIQILG

SDS-PAGE gel showing protein expression. The left lane contains molecular weight markers at 180, 130, 100, 70, 55, 40, 35, 25, 15, and 10 kDa. The right lane shows a single prominent band at approximately 28 kDa, which is highlighted with a red oval.

**[ IMPORTANT NOTE ]**

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