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Recombinant Growth Differentiation Factor 5 (GDF5)

Catalog Number: SIPC071Hu01 **Spec: 200ug**

Product Name	Recombinant Growth Differentiation Factor 5 (GDF5)
Catalog Number	SIPC071Hu01
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Ala382~Arg501
Tags	N-terminal His Tag
Subcellular Location	Secreted
Purity	> 97%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Original Concentration	1500μg/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	6.5
Predicted Molecular Mass	15.1kDa
Accurate Molecular Mass	18kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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.

[SEQUENCE]

APLATRQGK RPSKNLKARC
SRKALHVNFK DMGWDDWIIA PLEYEAFHCE GLCEFPLRSH LEPTNHAVIQ
TLMNSMDPES TPPTCCVPTR LSPISILFID SANNVVYKQY EDMVVESCGC
R

[IDENTIFICATION]

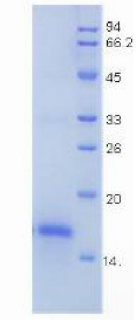


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.