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Recombinant Growth Differentiation Factor 5 (GDF5)

Catalog Number: SIPC071Hu02 **Spec: 10ug**

Product Name	Recombinant Growth Differentiation Factor 5 (GDF5)
Catalog Number	SIPC071Hu02
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Leu86~Arg501
Tags	N-terminal His Tag
Subcellular Location	Secreted
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.01% Sarcosyl, 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	9.8
Predicted Molecular Mass	50.1kDa
Accurate Molecular Mass	50kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM 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

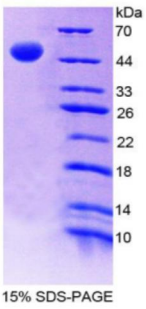
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by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

LTQPK KDEPKKLPPR PGGPEPKPGH PPQTRQATAR
TVTPKGQLPG GKAPPKAGSV PSSFLLKKAR EPGPPREPKE PFRPPPITPH EYMLSLYRTL
SDADRKGGNS SVKLEAGLAN TITSFIDKGQ DDRGPVVRKQ RYVFDISALE KDGLLGAELR
ILRKKPSDTA KPAAPGGGRA AQLKLSSCPS GRQPASLLDV RSVPGLDGSG WEVFDIWKLF
RNFKNSAQLC LELEAWERGR AVDLRGLGFD RAARQVHEKA LFLVFGRTKK RDLFFNEIKA
RSGQDDKTVY EYLFSQRRKR RAPLATRQGK RPSKNLKARC SRKALHVNFK DMGWDDWIIA
PLEYEAFHCE GLCEFPLRSH LEPTNHAVIQ TLMNSMDPES TPPTCCVPTR LSPISILFID
SANNVVYKQY EDMVVESCGC R

[IDENTIFICATION]



[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.