

ICA427Hu01

**Recombinant Growth Differentiation Factor 9 (GDF9)** 

**Organism Species: Homo sapiens (Human)** 

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

## [PROPERTIES]

**Source:** Prokaryotic expression.

Host: E. coli

Residues: Gly320~Arg454

Tags: N-terminal His-Tag

Tissue Specificity: Ovary.

Subcellular Location: Secreted.

**Purity: >92%** 

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM

DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive

Labeling.

(May be suitable for use in other assays to be determined by the end user.) **Predicted isoelectric point:** 7.1 **Predicted Molecular Mass:** 16.8kDa

Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.

## [ <u>USAGE</u> ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.

Do not vortex.

### [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°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

# CommunoClone

37<sup>o</sup>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.

# [<u>SEQUENCE</u>]

G QETVSSELKK PLGPASFNLS EYFRQFLLPQ NECELHDFRL SFSQLKWDNW IVAPHRYNPR YCKGDCPRAV GHRYGSPVHT MVQNIIYEKL DSSVPRPSCV PAKYSPLSVL TIEPDGSIAY KEYEDMIATK CTCR

### [IDENTIFICATION]



Figure 1. SDS-PAGE