

Human GDF9 protein, His tag

Cat. No. GTX00151-pro

Applications Functional Assay**Species** Human**Package**

10 µg

Applications

Application Note

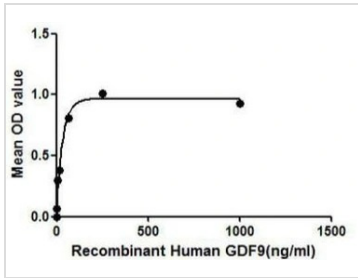
GDF9 (Growth/differentiation factor 9) is an oocyte derived growth factor which belongs to the transforming growth factor-beta (TGFβ) superfamily. GDF9 is required for ovarian folliculogenesis and promotes primordial follicle development. S100A8 has been identified as an interactor of GDF9 through two-hybrid assay, thus a binding ELISA assay was conducted to detect the interaction of recombinant human GDF9 and recombinant human S100A8. Briefly, GDF9 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to S100A8-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-GDF9 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of GDF9 and S100A8 was in a dose dependent manner.

Observed MW (kDa) 18 kDa.

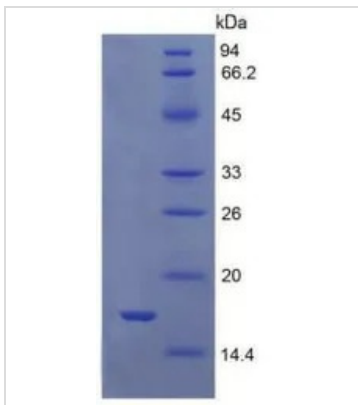
Properties

Form Lyophilized powder**Buffer** Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.**Preservative** ProClin 300**Storage** For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.**Region/Sequence** N-terminal His-Tag; Gly320~Arg454 (NP_001275753.1)**Expression System** E. coli**Purity** > 90%**Endotoxin** < 1 EU/µg**Conjugation** Unconjugated**Note** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

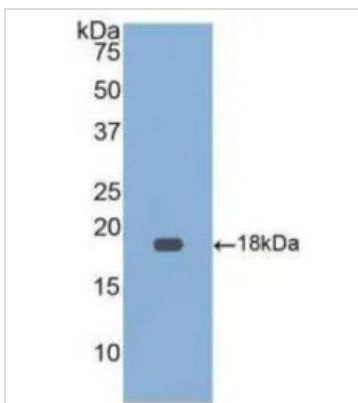
For full product information, images and publications, please visit our [website](#).

DATA IMAGES

GTx00151-pro Functional Assay Image

Functional ELISA analysis of GTx00151-pro Human GDF9 protein which can bind immobilized S100A8 protein.


GTx00151-pro Image

SDS-PAGE analysis of GTx00151-pro Human GDF9 protein.


GTx00151-pro Image

WB analysis of GTx00151-pro Human GDF9 protein.



For full product information, images and publications, please visit our [website](https://www.genetex.com).