

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

Product Datasheet

Human MAGP1 protein, His tag, Unconjugated GTX00174-PRO

| | |
|----------------------------|---|
| Article Name | Human MAGP1 protein, His tag, Unconjugated |
| Biozol Catalog Number | GTX00174-PRO |
| Supplier Catalog Number | GTX00174-pro |
| Alternative Catalog Number | GTX00174-PRO-10 |
| Manufacturer | GeneTex |
| Category | Proteine/Peptide |
| Application | FA |
| Species Reactivity | Human |
| Conjugation | Unconjugated |
| NCBI | 4237 |
| UniProt | P55001 |
| 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, ProClin 300. |
| Expression System | HEK293 cells |
| Form | Lyophilized powder |
| Sequence | N-terminal His-Tag, Leu6~Val162 (NP_001128719.1) |

Application Notes

Microfibrillar-associated protein 2 (MFAP2) is an O-glycosylated protein which excreted to the extracellular space and the extracellular matrix. MFAP2 combine biglycan and elastin to form a ternary complex. MFAP2 plays a key role in the support and distensibility of the juxtacanalicular region of these collector channels. It also can inhibit LTB-1 binding to fibrillin-1, stimulate the phosphorylation of Smad2, and thereby mediate the subsequent extracellular deposition of latent TGFbeta. Besides, Fibrillin 1 (FBN1) has been identified as an interactor of MFAP2, thus a binding ELISA assay was conducted to detect the interaction of recombinant human MFAP2 and recombinant human FBN1. Briefly, MFAP2 were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to FBN1-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-MFAP2 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 37C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of MFAP2 and FBN1 was in a dose dependent manner.