

Datasheet for ABIN6239871

WNT5A Protein (AA 62-380) (GST tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	WNT5A
Protein Characteristics:	AA 62-380
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This WNT5A protein is labelled with GST tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal GST Tag
Purity:	> 95 %
Biological Activity Comment:	Wingless Type MMTV Integration Site Family, Member 5A (WNT5A) is a ligand for members of the frizzled family of seven transmembrane receptors. Can activate or inhibit canonical Wnt signaling, depending on receptor context. Stimulates cell migration. Decreases proliferation, migration, invasiveness and clonogenicity of carcinoma cells and may act as a tumor suppressor. Besides, WNT Inhibitory Factor 1 (WIF1) has been identified as an interactor of WNT5A, thus a binding ELISA assay was conducted to detect the interaction of recombinant mouse WNT5A and recombinant rat WIF1. Briefly, WNT5A were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to WIF1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-WNT5A pAb, then aspirated and washed 3 times. After incubation with HRP

Product Details

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 50µL stop solution to the wells and read at 450nm immediately. The binding activity of WNT5A and WIF1 was shown in Figure 1, and this effect was in a dose dependent manner. The binding activity of WNT5A with WIF1.

Target Details

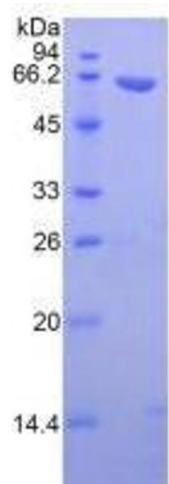
Target:	WNT5A
Alternative Name:	Wingless Type MMTV Integration Site Family, Member 5A (WNT5A) (WNT5A Products)
Molecular Weight:	62kDa
Pathways:	WNT Signaling , Cellular Response to Molecule of Bacterial Origin , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Regulation of Cell Size , Tube Formation

Application Details

Application Notes:	Isoelectric Point: 8.8
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.



SDS-PAGE

Image 1.