

Wingless Type MMTV Integration Site Family, Member 5A (WNT5A) Active Protein | WNT5A active protein

Active Wingless Type MMTV Integration Site Family, Member 5A (WNT5A)

CATALOG # AAA148219	HOST E Coli	REACTIVITY Mouse	APPLICATIONS Activity Assay, Cell Culture
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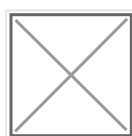
PRODUCT SYNONYMS

Wingless Type MMTV Integration Site Family; Member 5A (WNT5A); Active Wingless Type MMTV Integration Site Family; WNT5A active protein

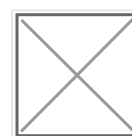
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Mouse
Purity/Purification	> 95%
Form/Format	Freeze-dried powder
Sequence Length	360
Applicable Applications for WNT5A active protein	Activity Assay, Cell Culture
Tag	N-terminal GST Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Ile62~Lys380
Isoelectric Point	8.8

IMAGES



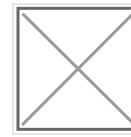
Application Data



Application Data



SDS-PAGE



Activity

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 degree C. Wells were washed with PBST and incubated for 1h with anti-WNT5A 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 degree C. Finally, add 50uL 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.

ADDITIONAL INFORMATION

Product Categories/Family for WNT5A active protein	Signal Transduction
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NCBI AND UNIPROT INFORMATION

NCBI GI #	371940979
NCBI GeneID	22418
NCBI Accession #	NP_001243153.1
NCBI GenBank Nucleotide #	NM_001256224.1
UniProt Accession #	P22725; Q8BM17; Q8BMF9; Q8VCV6
Molecular Weight	Predicted Molecular Weight: 61.8kDa Accurate Molecular Weight: 62kDa
NCBI Official Full Name	protein Wnt-5a isoform 2
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 5A
NCBI Official Symbol	Wnt5a
NCBI Official Synonym Symbols	Wnt-5a; 8030457G12Rik
NCBI Protein Information	protein Wnt-5a
UniProt Protein Name	Protein Wnt-5a
UniProt Gene Name	Wnt5a
UniProt Synonym Gene Names	Wnt-5a

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-mouse-active-protein/wingless-type-mmtv-integration-site-family-member-5a-wnt5a/148219>