

Wnt-5a recombinant protein

Human Wnt-5a

CATALOG # AAA79315	HOST E Coli	REACTIVITY Human
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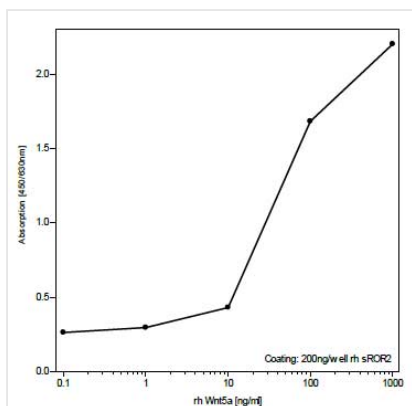
PRODUCT SYNONYMS

Wnt-5a; Human Wnt-5a; Wnt-5a recombinant protein

PRODUCT SPECIFICATIONS

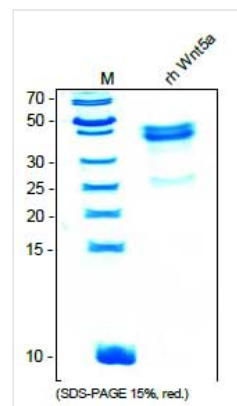
Host	E Coli
Reactivity	Human
Purity/Purification	> 90% by SDS-PAGE & Coomassie stain
Form/Format	Sterile filtered protein solution was lyophilized from 50 mM acetic acid, free stabilizers and preservatives
Sequence	ProteinSeq uence:MIIG AQLCSQLAG LSQGQKKLCH LYQDHMQYIG EGAKTGIKEC QYQFRHRRWN CSTVDNTSVF GRVMQIGSRE TAFTYAVSAA GVVNAMSAC REGELSTCGC SRAARPKDLP RDWLWGGCGD NIDYGYRFAK EFVDARERER IHAKGSYESA RILMNLHNNE AGRRTVYNLA DVACKCHGVS GSCSLKTCWL QLADFRKVG D ALKEYDSAA AMRLNSRGKL VQVNSRFNSP TTQDLVYIDP SPDYCVRNES TGS LGTQGR L CNKTSEGM D G CELMCCGRGY DQFKTVQTER CHCKFWCCY VKCKKCTEIV DQFVCKLEHH HHHH
Sequence Length	328
Species	Human
Reconstitution	The lyophilized Wnt5a should be reconstituted in water to a concentration of 0.1 mg/ml.
Preparation and Storage	Store at 2-8 degree C for up to 1 week or prepare for extended storage After initial reconstitution, prepare and store working aliquots at -20 degree to -80 degree C. Avoid repeated freeze/thaw cycles

IMAGES



Application Data

Binding of recombinant human Wnt5a [Cat# AAA79315] to recombinant human sROR2 in a functional ELISA. sROR2 was coated with 2ug/ml (100ug/well) and increasing amounts of Wnt5a was added. Detection was performed using a polyclonal rabbit anti-human Wnt5a and a goat anti-rabbit Biotin conjugated secondary antibody.



SDS-PAGE

SDS-PAGE analysis of recombinant human Wnt5a. Sample was loaded in 15% SDS-polyacrylamide gel under reducing condition and stained with Coomassie blue.

ADDITIONAL INFORMATION

Related Product Information for Wnt-5a recombinant protein	Wnt-5a is one of the most highly investigated non-canonical Wnts and has been implicated in almost all aspects of non-canonical Wnt signalling. In terms of cancer development, Wnt-5a has, until recently, lived in the shadow of its better-characterised relatives. This was largely because of its apparent inability to transform cells or signal through the canonical beta-catenin pathway that is so important in cancer, particularly colorectal cancer. Recent work in a wide range of human tumours has pointed to a critical role for Wnt-5a in malignant progression, but there is conflicting evidence whether Wnt-5a has a tumour-promoting or -suppressing role. Emerging evidence suggests that the functions of Wnt-5a can be drastically altered depending on the availability of key receptors. Hence, the presence or absence of these receptors may go some way to explain the conflicting role of Wnt-5a in different cancers.
Product Categories/Family for Wnt-5a recombinant protein	Recombinant protein ; Cytokines & Growth Factors ; Wnt-5a

NCBI AND UNIPROT INFORMATION

NCBI GI #	371502087
NCBI GeneID	7474
NCBI Accession #	NP_003383.2
NCBI GenBank Nucleotide #	NM_001256105.1
UniProt Accession #	P41221 ; Q6P278 ; A8K4A4
Molecular Weight	36.9kDa
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	hWNT5A
NCBI Protein Information	protein Wnt-5a; WNT-5A protein
UniProt Protein Name	Protein Wnt-5a
UniProt Gene Name	WNT5A
UniProt Entry Name	WNT5A_HUMAN

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/wnt5a-recombinant-protein-e-coli/79315>