Datasheet for ABIN7539360

WNT5A Protein (His tag)

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Overview

Quantity:	25 µg
Target:	WNT5A
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This WNT5A protein is labelled with His tag.

Product Details

Purpose:	Wnt-5a
Sequence:	MIIGAQPLCS QLAGLSQGQK KLCHLYQDHM QYIGEGAKTG IKECQYQFRH RRWNCSTVDN TSVFGRVMQI GSRETAFTYA VSAAGVVNAM SRACREGELS TCGCSRAARP KDLPRDWLWG GCGDNIDYGY RFAKEFVDAR ERERIHAKGS YESARILMNL HNNEAGRRTV YNLADVACKC HGVSGSCSLK TCWLQLADFR KVGDALKEKY DSAAAMRLNS RGKLVQVNSR FNSPTTQDLV YIDPSPDYCV RNESTGSLGT QGRLCNKTSE GMDGCELMCC GRGYDQFKTV QTERCHCKFH WCCYVKCKKC TEIVDQFVCK LEHHHHHH
Specificity:	Chromosomal location:3p14-p21
Characteristics:	Length (aa):328
Purity:	> 90 % by SDS-PAGE and Coomassie stain

Target Details

Target:	WNT5A

Target Details

Alternative Name:	Wnt-5a (WNT5A Products)
Background:	Wnt-5a, Wnt5a, Wnt 5a, Wnt,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.
Molecular Weight:	36.9 kDa
Gene ID:	7474
NCBI Accession:	NM_003392, NP_003383
UniProt:	P41221
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

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Human Wnt5a should be reconstituted in water to a concentration of 0.1 mg/mL. This solution can be diluted in water or other buffer solutions or stored at -20 °C.
Buffer:	50 mM acetic acid
Storage:	RT,0 °C,-20 °C
Storage Comment:	The lyophilized human Wnt5a, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted human Wnt5a should be stored in working aliquots at -20°C.