

Recombinant Full Length Human WNT5A Protein, GST-tagged

Cat. No. WNT5A-546HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human WNT5A (1 aa. - 380 aa.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	380 amino acids
Description	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene encodes a member of the WNT family that signals through both the canonical and non-canonical WNT pathways. This protein is a ligand for the seven transmembrane receptor frizzled-5 and the tyrosine kinase orphan receptor 2. This protein plays an essential role in regulating developmental pathways during embryogenesis. This protein may also play a role in oncogenesis. Mutations in this gene are the cause of autosomal dominant Robinow syndrome. Alternate splicing results in multiple transcript variants.
Molecular Mass	68.7 kDa
AA Sequence	MKKSIGILSP GVALGMAGSA MSSKFFLVAL AIFFSFAQVV IEANSWWSLG MNNPVQMSEV YIIGAQPLCS QLAGLSQGQK KLCHLYQDHM QYIGEGAKTG IKECQYQFRH RRWNCSTVDN TSVFGRVMQI GSRETAFTYA VSAAGVNVAM

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SRACREGELS TCGCSRAARP KDLPRDWLWG GCGDNIDYGY RFAKEFVDAR
 ERERIHAKGS YESARILMNL HNNEAGRRTV YNLADVACKC HGVSGSCSLK
 TCWLQLADFR KVGDALKEY DSAAAMRLNS RGKLVQVNSR FNSPTTQDLV
 YIDPSPDYCV RNESTGSLGT QGRLCNKTSE GMDGCELMCC GRGYDQFKTV
 QTERCHCKFH WCCYVKCKKC TEIVDQFVCK

Applications	ELISA; WB
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	WNT5A wingless-type MMTV integration site family, member 5A [Homo sapiens]
Official Symbol	WNT5A
Synonyms	WNT5A; wingless-type MMTV integration site family, member 5A; protein Wnt-5a; hWNT5A; WNT 5A protein; WNT-5A protein
Gene ID	7474
mRNA Refseq	NM_003392
Protein Refseq	NP_003383
MIM	164975
UniProt ID	P41221

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