

Active Recombinant Human WNT9A Protein

Cat. No. WNT9A-125H Lot. No. (See product label)

SPECIFICATION

Product Overview	The mature recombinant human Wnt-9a protein containing 336aa (Y30-G365) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The WNT gene family consists of structurally related genes that 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 is a member of the WNT gene family. It is expressed in gastric cancer cell lines. The protein encoded by this gene shows 75% amino acid identity to chicken Wnt14, which has been shown to play a central role in initiating synovial joint formation in the chick limb. This gene is clustered with another family member, WNT3A, in the chromosome 1q42 region.
Bio-activity	Measured by its ability to activate Wnt induced TCF reporter activity in HEK293 human embryonic kidney cells expressing human Frizzled-4 and human LRP-5. The ED50 for this effect is 8-40 ng/mL. Measured in a cell proliferation/survival assay using C3H10T1/2 mouse embryonic fibroblast cells. The ED50 for this effect is 60-300 ng/mL.
Molecular Mass	40 kDa
Product-Related	30-365

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Proteins

Storage At -80 centigrade. Avoid repeated freeze-thaw cycles.

Storage Buffer PBS

GENE INFORMATION

Gene Name WNT9A Wnt family member 9A [Homo sapiens (human)]

Official Symbol WNT9A

Synonyms WNT9A; Wnt family member 9A; WNT14; protein Wnt-9a; Names; wingless-type MMTV integration site family, member 14; wingless-type MMTV integration site family, member 9A

Gene ID 7483

mRNA Refseq NM_003395

Protein Refseq NP_003386

MIM 602863

UniProt ID O14904

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