

Active Recombinant Human WNT7A Protein

Cat. No. WNT7A-121H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human Wnt-7a protein containing 318aa (L32-K349) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is a member of the WNT gene family, which 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 involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays a critical role in uterine smooth muscle patterning and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi/Raas-Rothschild/Schinzel phocomelia syndromes.
Bio-activity	Measured by its ability to inhibit Wnt-3a-induced alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells. The ED50 for this effect is 1-3 µg/mL in the presence of 5 ng/mL recombinant mouse Wnt-3a.
Molecular Mass	35.5 kDa
Product-Related Proteins	32-349

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Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
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Storage Buffer	PBS
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GENE INFORMATION

Gene Name	WNT7A Wnt family member 7A [Homo sapiens (human)]
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Official Symbol	WNT7A
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Synonyms	WNT7A; Wnt family member 7A; Wnt-7a; protein Wnt-7a; Names; proto-oncogene Wnt7a protein; wingless-type MMTV integration site family, member 7A
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Gene ID	7476
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mRNA Refseq	NM_004625
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Protein Refseq	NP_004616
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MIM	601570
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UniProt ID	O00755
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