

Active Recombinant Human WNT7A

Cat. No. WNT7A-898H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human WNT7A (Accession # O00755) Leu32-Lys349, fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Leu32-Lys349
Predicted N Terminal	Leu32
Form	Lyophilized from a 0.2 μ filtered solution in PBS, EDTA and CHAPS with BSA as a carrier protein.
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 typically 1-3 μg/mL in the presence of 5 ng/mL recombinant mouse Wnt-3a. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Human WNT7A has a calculated MW of 35.5 kDa. In SDS-PAGE migrates as 40-65 kDa, reducing conditions.
Purity	>70%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

Gene Name [WNT7A wingless-type MMTV integration site family, member 7A \[Homo sapiens \]](#)

Official Symbol WNT7A

Synonyms WNT7A; wingless-type MMTV integration site family, member 7A; protein Wnt-7a; proto oncogene Wnt7a protein; proto-oncogene Wnt7a protein;

Gene ID [7476](#)

mRNA Refseq [NM_004625](#)

Protein Refseq [NP_004616](#)

MIM [601570](#)

UniProt ID O00755

Chromosome Location 3p25

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