

## Active Recombinant Human WNT3A Protein, Animal Free

**Cat. No.** WNT3A-55H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human WNT3A Protein without tag was expressed in Human cells. Animal Free and Xeno Free
<b>Species</b>	Human
<b>Source</b>	Human Cells
<b>Description</b>	<p>Protein Wnt-3a is a protein that is encoded by the WNT3A gene. The WNT gene family consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis, adipogenesis, etc. and in several other developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. Human Wnt3a shows 96% amino acid identity to mouse Wnt3a protein.</p> <p>This protein was purified using a combination of ion exchange, affinity column with Wnt signaling inhibitor-bound Sepharose beads, and followed by gel filtration.</p>
<b>Bio-activity</b>	Wnt3a activity has been measured using TCF-based Wnt reporter stable cell line 10 ng/mL of Wnt3a generate 50-fold increase of luciferase activity compared to control (buffer without Wnt3a).
<b>Molecular Mass</b>	38-41 kDa
<b>Endotoxin</b>	<0.5 EU/ µg
<b>Purity</b>	High Purity, >70% by SDS-PAGE

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**Stability** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. In general: 12 months from date of receipt, -20 to -80 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -80 centigrade under sterile conditions after reconstitution.

**Storage Buffer** Lyophilized from a 0.2 µm filtered solution in PBS.

**Reconstitution** Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile PBS with 1% Chaps containing 0.1% endotoxin-free recombinant human serum albumin.

## GENE INFORMATION

**Gene Name** WNT3A wingless-type MMTV integration site family, member 3A [ Homo sapiens (human) ]

**Official Symbol** WNT3A

**Synonyms** WNT3A; wingless-type MMTV integration site family, member 3A; protein Wnt-3a; MGC119418; MGC119419; MGC119420;

**Gene ID** 89780

**mRNA Refseq** NM\_033131

**Protein Refseq** NP\_149122

**MIM** 606359

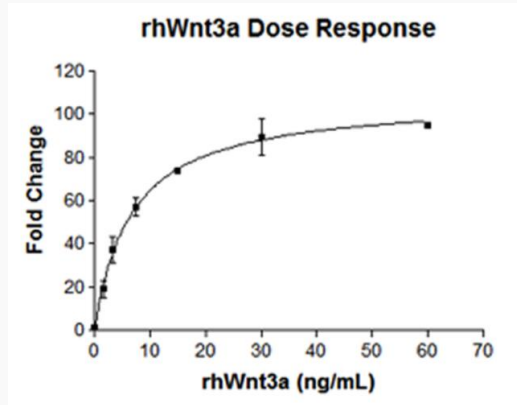
**UniProt ID** P56704

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Activity Assay



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