

## Active Recombinant Mouse Wnt3a Protein

**Cat. No.** Wnt3a-56M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Wnt3a Protein without tag was expressed in Mouse cells.
<b>Species</b>	Mouse
<b>Source</b>	Mouse
<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. Mouse Wnt3a shows 96% amino acid identity to human 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>Form</b>	Liquid
<b>Bio-activity</b>	Wnt3a activity has been measured using TCF-based Wnt reporter stable cell line. 10 ng/mL of Wnt3a generate 100-fold increase of luciferase activity compared to control (buffer without Wnt3a). EC50 is about 6 ng/mL.
<b>Molecular Mass</b>	38-41 kDa
<b>Endotoxin</b>	<0.5 EU/ μg

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>75% by SDS-PAGE
<b>Stability</b>	Keep the protein frozen until use. Freeze at -20 centigrade or below after thawed. Mix the protein by pipetting up and down only, but do not use vortexer.
<b>Storage Buffer</b>	0.2 µm filtered solution in PBS, 1% CHAPS, 0.1%BSA
<b>Shipping</b>	The product is shipped with dry ice. Upon receipt, store it immediately at -80 centigrade recommended.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Wnt3a wingless-related MMTV integration site 3A [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Wnt3a</a>
<b>Synonyms</b>	WNT3A; wingless-related MMTV integration site 3A; protein Wnt-3a; vestigial tail; vt; Wnt-3a;
<b>Gene ID</b>	<a href="#">22416</a>
<b>mRNA Refseq</b>	<a href="#">NM_009522</a>
<b>Protein Refseq</b>	<a href="#">NP_033548</a>
<b>UniProt ID</b>	<a href="#">P27467</a>

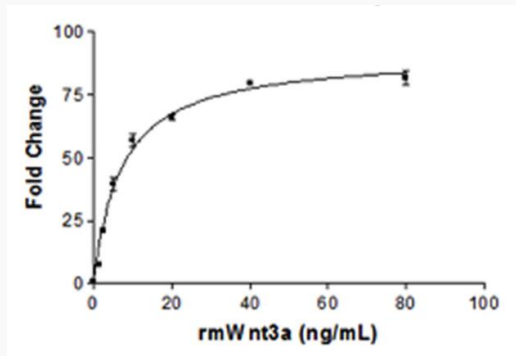
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Activity Assay



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