

Active Recombinant Mouse Wnt3a Protein

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

SPECIFICATION

Product Overview	Recombinant Mouse Wnt3a Protein without tag was expressed in Mouse cells.
Species	Mouse
Source	Mouse
Description	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. This protein was purified using a combination of ion exchange, affinity column with Wnt signaling inhibitor-bound sepharose beads, and followed by gel filtration.
Form	Liquid
Bio-activity	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.
Molecular Mass	38-41 kDa
Endotoxin	<0.5 EU/ µg

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Purity	>75% by SDS-PAGE
Stability	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.
Storage Buffer	0.2 µm filtered solution in PBS, 1% CHAPS, 0.1%BSA
Shipping	The product is shipped with dry ice. Upon receipt, store it immediately at -80 centigrade recommended.

GENE INFORMATION

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

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