

Active Recombinant Murine Wnt3a protein

Cat. No. Wnt3a-526M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Murine Wnt3a(Ser19-Lys352) was expressed in CHO.
Species	Murine
Source	CHO
ProteinLength	19-352 a.a.
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.
Form	Tris-HCl buffer pH 7.2-7.4, 0.5% CHAPS, 0.1% BSA.
Bio-activity	Wnt3a activity has been measured using TCF-based Wnt reporter stable cell line (NIH3T3). 4 ng/mL of Wnt3a generate twenty fold increase of luciferase activity compared to control (buffer without Wnt3a).
Molecular Mass	Predicted M.W.: 37 kDa; Actual M.W.: 41 kDa evaluated by SDS-PAGE under reducing conditions;
Purity	>75% evaluated by SDS-PAGE under reducing conditions

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Storage	This preparation can be stored at 4 centigrade for 6 months; Storage under frozen conditions may decrease activity; avoid freeze-thaw.
Concentration	4 g/mL
GENE INFORMATION	
Gene Name	Wnt3a wingless-type MMTV integration site family, member 3A [<i>Mus musculus</i>]
Official Symbol	Wnt3a
Synonyms	vt; Wnt-3a; vestigial tail; wingless-related MMTV integration site 3A
Gene ID	22416
mRNA Refseq	NM_009522
Protein Refseq	NP_033548
MIM	
UniProt ID	P27467
Chromosome Location	11 B1.3; 11 37.17 Cm
Pathway	Basal cell carcinoma, organism-specific biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; Melanogenesis, organism-specific biosystem
Function	frizzled binding; protein binding; receptor agonist activity

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