

Active Recombinant Mouse Wnt3a protein

Cat. No. Wnt3a-456M **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Mouse Wnt3a(334 amino acid residues) was purified from Cell Culture.

Species Mouse

Bio-activity The ED50 was determined by its ability to induced alkaline phosphatase production by CCL-226 cells. The expected ED50 for this effect is 0.4-0.6 ng/ml.

Molecular Mass Due to glycosylation, the murine Wnt-3a migrates at an apparent molecular weight of approximately 38.0-41.0 kDa by SDS-PAGE analysis under non-reducing conditions.

AA Sequence SYPIWWSLA VGPQYSSLS TQPILCASI PGLVPKQLR FCRNYVEIM PSVAEGVKA
 GIQECQHQF RGRRWNCTT VSNLAIFG PVLDKATRE SAFVHAIAS AGVAVAVTR
 SCAEGSAAI CGCSSRLQG SPGEGWKWG GCSEDIEFG GMVSREFAD
 ARENRPDAR SAMNRHNNE AGRQAIASH MHLKCKCHG LSGSCEVKT
 CWWSQPDFR TIGDFLKDK YDSASEMVV EKHRESRGW VETLRPRYT
 YFKVPTERD LVYYEASPN FCEPNPETG SFGTRDRTC NVSSHGIDG CDLLCCGRG
 HNARTERRR EKCHCVFHW CCYVSCQEC TRVYDVHTC K

Purity Above 75% as determined by SDS-PAGE Analysis.

GENE INFORMATION

Gene Name [Wnt3a wingless-related MMTV integration site 3A \[Mus musculus \]](#)

Official Symbol [Wnt3a](#)

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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
MIM	
UniProt ID	P27467
Chromosome Location	11 B1.3; 11 37.17 cM
Pathway	Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; ESC Pluripotency Pathways, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;
Function	frizzled binding; frizzled-2 binding; protein binding; protein domain specific binding; receptor agonist activity; receptor binding; transcription coactivator activity;

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