

Active Recombinant Mouse Wnt4 Protein, Fc tagged

Cat. No. Wnt4-623M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse Wnt4 Protein with Fc tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	23-351 aa
Description	Enables frizzled binding activity and transcription corepressor activity. Involved in several processes, including negative regulation of testosterone biosynthetic process; positive regulation of cellular component biogenesis; and regulation of DNA-templated transcription. Acts upstream of or within several processes, including epithelial cell differentiation; morphogenesis of an epithelium; and negative regulation of signal transduction. Located in cell surface; extracellular matrix; and extracellular space. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; heart; and sensory organ. Human ortholog(s) of this gene implicated in Mullerian aplasia and hyperandrogenism. Orthologous to human WNT4 (Wnt family member 4).
AASequence	PKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEV KFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKAL PAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNG QPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKS LSLSPGKDYKDDDDKSNWLYLAKLSSVGSISEEETCEKLKGLIQRQVQMCKRNLEV

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MDSVRRGAQLAIEECQYQFRNRRWNCSTLDSLPLVFGKVVTQGTREAAFVYAISSAG
 VAFVTRACSSGELEKCGCDRTVHGVSPQGFQWSGCSDNIAYGVAFSQSFDVRE
 RSKGASSSRALMNLHNNNEAGRKAILTHMRVECKCHGVSGSCEVKTCWRAVPPFRQ
 VGHALKEKFDGATEVEPRRVGSSRALVPRNAQFKPHTDEDLVYLEPSPDFCEQDIR
 SGVLGTRGRTCNKTSKAIDGCELLCCGRGFHTAQVELAERCGRFHWCCFVKCRQ
 CQRLVEMHTCR

Molecular Mass	64 kDa
Bio-activity	Measured by its ability to induce alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells. The typical ED50 for this effect is 20 ng/mL.
Endotoxin	< 0.1 EU/μg by LAL.
Purity	> 85% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4
Concentration	0.35 mg/mL by BCA

GENE INFORMATION

Gene Name	Wnt4 wingless-type MMTV integration site family, member 4 [Mus musculus (house mouse)]
Official Symbol	Wnt4
Synonyms	Wnt4; wingless-type MMTV integration site family, member 4; Wnt-4; protein Wnt-4;

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signal molecule; wingless-related MMTV integration site 4

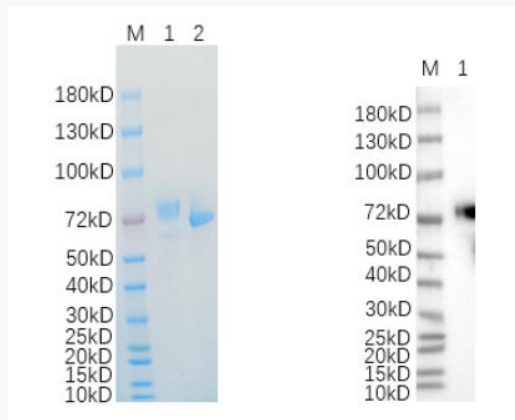
Gene ID [22417](#)

mRNA Refseq [NM_009523](#)

Protein Refseq [NP_033549](#)

UniProt ID [P22724](#)

SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Goat Anti-Human IgG/HRP antibody) analysis profiles of purified Wnt4. 1. Wnt4: 1 µg 2. BSA: 1 µg

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