

Active Recombinant Mouse Wnt-1/sFRP-1 Complex Protein

Cat. No. Wnt1-001M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Wnt-1 (Ala28-Leu370) and sFRP-1 (Ser32-Lys314) complex protein without tag was expressed in Chinese hamster ovary cell.
Species	Mouse
Source	CHO
Description	Biased expression in CNS E11.5 (RPKM 2.1), testis adult (RPKM 1.8) and 5 other tissues.
Bio-activity	Measured by its ability to activate Wnt induced TCF reporter activity in HEK293 human embryonic kidney cells. The ED50 for this effect is 0.03-0.18 µg/mL
Molecular Mass	38 kDa (Wnt-1) & 33 kDa (sFRP-1)
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>85%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in MOPS, NaCl, Trehalose and with BSA

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as a carrier protein.

Reconstitution Reconstitute at 100 µg/mL in PBS.

Shipping The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name Wnt1 wingless-type MMTV integration site family, member 1 [Mus musculus (house mouse)]

Official Symbol Wnt1

Synonyms Wnt1; wingless-type MMTV integration site family, member 1; sw; Int-1; Wnt-1; swaying; proto-oncogene Wnt-1; proto-oncogene Int-1; proto-oncogene protein Wnt-1; wingless-related MMTV integration site 1

Gene ID 22408

mRNA Refseq NM_021279

Protein Refseq NP_067254

UniProt ID P04426

Bioactivity Recombinant Mouse Wnt-1/sFRP-1 Complex activates Wnt induced TCF reporter activity in HEK293 human embryonic kidney cells. The ED50 for this effect is 0.03-0.18 µg/mL.

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