

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant mouse Wnt-1 (Ala28-Leu370) and sFRP-1 (Ser32-Lys314) complex protein without tag was expressed in Chinese hamster ovary cell.                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | CHO                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Biased expression in CNS E11.5 (RPKM 2.1), testis adult (RPKM 1.8) and 5 other tissues.                                                                                                                                                                                                                  |
| <b>Bio-activity</b>     | 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                                                                                                                                                |
| <b>Molecular Mass</b>   | 38 kDa (Wnt-1) & 33 kDa (sFRP-1)                                                                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | <1.0 EU per 1 µg of the protein by the LAL method.                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >85%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                              |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70 centigrade as supplied.<br>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.<br>3 months, -20 to -70 centigrade under sterile conditions after reconstitution. |
| <b>Storage Buffer</b>   | 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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