

# Active Recombinant Human WNT5B

**Cat. No.** WNT5B-773H    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human WNT5B (Accession # NP_110402) Gln18-Lys359, fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.                                                                                                                                                                                |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>               | CHO                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>        | Gln18-Lys359                                                                                                                                                                                                                                                                                                            |
| <b>Predicted N Terminal</b> | Gln18 predicted: No results obtained, sequencing might be blocked                                                                                                                                                                                                                                                       |
| <b>Form</b>                 | Lyophilized from a 0.2 μ filtered solution in PBS, EDTA and CHAPS with BSA as a carrier protein.                                                                                                                                                                                                                        |
| <b>Bio-activity</b>         | Measured by its ability to inhibit Wnt-3a-induced alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells. The ED50 for this effect is typically 0.03-0.15 μg/mL, in the presence of 5 ng/mL of Recombinant Mouse Wnt-3a. Optimal dilutions should be determined by each laboratory for each application. |
| <b>Molecular Mass</b>       | Recombinant Human WNT5B has a calculated MW of 38.5 kDa. In SDS-PAGE migrates as 45 kDa, reducing conditions.                                                                                                                                                                                                           |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                                             |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In                                                                                                                                                                                                                                   |

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

## GENE INFORMATION

|                            |                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | WNT5B wingless-type MMTV integration site family, member 5B [ Homo sapiens ]                           |
| <b>Official Symbol</b>     | WNT5B                                                                                                  |
| <b>Synonyms</b>            | WNT5B; wingless-type MMTV integration site family, member 5B; protein Wnt-5b; WNT-5B protein; MGC2648; |
| <b>Gene ID</b>             | 81029                                                                                                  |
| <b>mRNA Refseq</b>         | NM_030775                                                                                              |
| <b>Protein Refseq</b>      | NP_110402                                                                                              |
| <b>MIM</b>                 | 606361                                                                                                 |
| <b>UniProt ID</b>          | Q9H1J7                                                                                                 |
| <b>Chromosome Location</b> | 12p13.3                                                                                                |

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