

## 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 µm 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

**Gene Name** WNT5B wingless-type MMTV integration site family, member 5B [ Homo sapiens ]

**Official Symbol** WNT5B

**Synonyms** WNT5B; wingless-type MMTV integration site family, member 5B; protein Wnt-5b; WNT-5B protein; MGC2648;

**Gene ID** 81029

**mRNA Refseq** NM\_030775

**Protein Refseq** NP\_110402

**MIM** 606361

**UniProt ID** Q9H1J7

**Chromosome Location** 12p13.3

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