

Active Recombinant Human WNT5B

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

SPECIFICATION

Product Overview	Recombinant Human WNT5B (Accession # NP_110402) Gln18-Lys359, fused with , was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Gln18-Lys359
Predicted N Terminal	Gln18 predicted: No results obtained, sequencing might be blocked
Form	Lyophilized from a 0.2 μ filtered solution in PBS, EDTA and CHAPS with BSA as a carrier protein.
Bio-activity	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.
Molecular Mass	Recombinant Human WNT5B has a calculated MW of 38.5 kDa. In SDS-PAGE migrates as 45 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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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