Active Recombinant Human WNT5B Protein

Cat. No. WNT5B-119H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The mature recombinant human Wnt-5b protein containing 342aa (Gln18-Lys359) without tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 94% and 80% amino acid identity to the mouse Wnt5b protein and the human WNT5A protein, respectively. Alternative splicing of this gene generates 2 transcript variants.
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 125-750 ng/mL.
Molecular Mass	38.5 kDa
Product-Related Proteins	18-359
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.

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Storage Buffer	PBS

GENE INFORMATION

Gene Name	WNT5B Wnt family member 5B [Homo sapiens (human)]
Official Symbol	WNT5B
Synonyms	WNT5B; Wnt family member 5B; protein Wnt-5b; Names; WNT-5B protein; wingless-type MMTV integration site family, member 5B
Gene ID	81029
mRNA Refseq	NM_030775
Protein Refseq	NP_110402
MIM	606361
UniProt ID	Q9H1J7

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