Active Recombinant Mouse Wnt5b

Cat. No. Wnt5b-303M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Wnt5b (Accession # AAH10775) Gln31-Lys372 was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Mouse
Source	CHO
ProteinLength	31-372 a.a.
Predicted N Terminal	No results obtained: Gln31 predicted
Form	Lyophilized from a 0.2 μm 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 0.1-0.5 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 Mouse Wnt5b has a calculated MW of 38.6 kDa. In SDS-PAGE migrates as 45 kDa, reducing conditions.
Purity	>75%, 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 (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).
Reconstitution	Reconstitute at 100 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	Wnt5b wingless-related MMTV integration site 5B [Mus musculus]
Official Symbol	Wnt5b
Synonyms	WNT5B; wingless-related MMTV integration site 5B; protein Wnt-5b; Wnt-5b; AW545702;
Gene ID	22419
mRNA Refseq	NM_009525
Protein Refseq	NP_033551
MIM	

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