

Active Recombinant Human RGMB protein, His-tagged

Cat. No. RGMB-345H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RGMB(Gly87-Asp209 (N-terminus chain) & Pro210-Ser452 (C-terminus chain)) fused with His tag at C-terminal was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	Gly87-Asp209 (N-terminus chain) & Pro210-Ser452 (C-terminus chain)
Predicted N Terminal	Gly87 & Pro210
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rhBMP-4 at 1 µg/mL (100 µ/well) can bind rhRGM-B with a linear range of 10-500 ng/mL.
Molecular Mass	Predicted Molecular Mass: 13.4 (N-terminus chain), 27.7 (C-terminus chain) kDa;SDS-PAGE: 20 kDa and 35 kDa, reducing conditions.
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after

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reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in sterile PBS.

GENE INFORMATION

Gene Name [RGMB RGM domain family, member B \[Homo sapiens \]](#)

Official Symbol [RGMB](#)

Synonyms RGMB; RGM domain family, member B; RGM domain family member B; FLJ90406; repulsive guidance molecule B; DRG11-responsive axonal guidance and outgrowth of neurite; DRAGON; MGC86970; DKFZp434P228;

Gene ID [285704](#)

mRNA Refseq [NM_001012761](#)

Protein Refseq [NP_001012779](#)

MIM [612687](#)

UniProt ID [Q6NW40](#)

Chromosome Location 5q21.1

Pathway Axon guidance, organism-specific biosystem; BMP receptor signaling, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Netrin-1 signaling, organism-specific biosystem;

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Function

identical protein binding;

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