

Recombinant Mouse RGM Domain Family, Member A, FLAG-tagged

Cat. No. Rgma-2417M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse RGMA (repulsive guidance molecule A) (aa 48-423) produced in <i>HEK 293 cells</i> fused at the N-terminus to a FLAG-tag, 16kDa.
Species	Mouse
Source	Human Cells
Protein Length	48-423 a.a.
Description	Repulsive guidance molecule A also known as RGMa is a protein that in humans is encoded by the RGMA gene. RGMa is a repulsive guidance molecule for retinal axons. Furthermore, neogenin functions as a receptor for RGM. Neogenin overexpression and RGM downexpression in the developing embryonic neural tube induces apoptosis. The apoptotic activity of neogenin in the neural tube is associated with cleavage of its cytoplasmic domain by caspases.
Source/Host	HEK 293 cells.
Concentration	0.1mg/ml after reconstitution.
Purity	≥95% (SDS-PAGE).
Endotoxin Content	<0.1EU/g purified protein (LAL test; Bio Whittaker).

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Reconstitution	Reconstitute with 100µl sterile water. Further dilutions should be made with medium containing 5% fetal calf serum or a carrier protein.
Short Term Storage	+4°C.
Formulation	Lyophilized. Contains PBS.
Long Term Storage	-20°C.
Use/Stability	Stable for at least 6 months after receipt when stored at -20°C.
Handling	After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	Rgma RGM domain family, member A [<i>Mus musculus</i>]
Synonyms	RGM domain family, member A; BC059072; MGC38550; MGC69915; C230063O06; Rgma; repulsive guidance molecule A
Gene ID	244058
mRNA Refseq	NM_177740
Protein Refseq	NP_808408
UniProt ID	Q6PCX7
Chromosome Location	7 D1
Function	molecular_function

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