



[Go to Product page](#)

Datasheet for ABIN7534297
RGMA Protein (His tag)

Overview

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| Quantity: | 100 µg |
| Target: | RGMA |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This RGMA protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human RGMA Protein |
| Sequence: | CKILKCNSEF WSATSGSHAP ASDDTPEFCA ALRSYALCTR RTARTCRGDL AYHSAVHGIE DLMSQHNCCK DGPTSQPRLR TLPPAGDSQE RSDSPEICHY EKSFHKHSAT PNYTHCGLFG DPHLRTFTDR FQTCKVQGAW PLIDNNYLNQ VQTNTPLVPG SAATATSKLT IIFKNFQECV DQKVYQAEMD ELPAAFVDGS KNGGDKHGAN SLKITEKVSG QHVEIQAKYI GTTIVVRQVG RYLTF AVRMP EEVNAVEDW DSQGLYLCLR GCPLNQQIDF QAFHTNAEGT GARRLAAASP APTAPETFPY ETAVAKCKEK LPVEDLYYQA CVFDLLTTGD VNFTLAAYYA LEDVKMLHSN KDKLHLYERT RDLPG |
| Specificity: | Cys48-Gly422 |
| Purity: | > 90 % by SDS-PAGE. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | < 0.1 EU/µg of the protein by LAL method. |

Target Details

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| Target: | RGMA |
| Alternative Name: | RGMA (RGMA Products) |
| Background: | <p>Description: RGMa, also known as RGM domain family, member A, belongs to the RGM (repulsive guidance molecule) family whose members are membrane-associated glycoprotein. RGMa is a glycosylphosphatidylinositol-anchored glycoprotein that functions as an axon guidance protein in the developing and adult central nervous system. It helps guide Retinal Ganglion Cell (RGC) axons to the tectum in the midbrain. RGMa has been implicated to play an important role in the developing brain and in the scar tissue that forms after a brain injury. This protein may also function as a tumor suppressor in some cancers.</p> <p>Name: RGMA, RGM, repulsive guidance molecule A,RGM</p> |
| Gene ID: | 56963 |
| UniProt: | Q96B86 |
| Pathways: | Tube Formation |

Application Details

Restrictions: For Research Use only

Handling

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| Format: | Lyophilized |
| Reconstitution: | Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles. |
| Buffer: | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. |