Datasheet for ABIN7520445

RGMA Protein (His tag)

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Overview

Quantity:	20 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

Purpose:	Recombinant Human RGMA Protein
Sequence:	CKILKCNSEF WSATSGSHAP ASDDTPEFCA ALRSYALCTR RTARTCRGDL AYHSAVHGIE DLMSQHNCSK DGPTSQPRLR TLPPAGDSQE RSDSPEICHY EKSFHKHSAT PNYTHCGLFG DPHLRTFTDR FQTCKVQGAW PLIDNNYLNV QVTNTPVLPG SAATATSKLT IIFKNFQECV DQKVYQAEMD ELPAAFVDGS KNGGDKHGAN SLKITEKVSG QHVEIQAKYI GTTIVVRQVG RYLTFAVRMP EEVVNAVEDW 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

Target:	RGMA
Alternative Name:	RGMA (RGMA Products)
Background:	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. Name: RGMA, RGM, repulsive guidance molecule A,RGM
Gene ID:	56963
UniProt:	Q96B86
Pathways:	Tube Formation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (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.