



Recombinant Protein Technical Manual
Recombinant Human RGMA Protein (HEK293 Cells,
His Tag)
RPES3728

Product Data:

Product SKU: RPES3728

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: NP_064596.2

Protein Information:

Molecular Mass: 43 kDa

AP Molecular Mass: 36 kDa

Tag: C-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Repulsive guidance molecule A;RGM domain family member A;RGM

Immunogen Information:

Sequence: Met 1-Gly 422

Background:

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.