



Recombinant Protein Technical Manual
Recombinant Human RGMA Protein (E. coli, His Tag)
RPES2339

Product Data:

Product SKU: RPES2339

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: NP_064596.2

Protein Information:

Molecular Mass: 29.8 kDa

AP Molecular Mass: 30 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

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

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH8.0.

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: Pro169-Gly422

Background:

Repulsive guidance molecule A (RGMA) is a cell membrane protein and belongs to the repulsive guidance molecule (RGM) family. It interacts with NEO1, BMP2 and BMP4. 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.