



Recombinant Protein Technical Manual
Recombinant *Macaca nemestrina* PCSK9/Proprotein
Convertase 9 Protein (His Tag)
RPES3577

Product Data:

Product SKU: RPES3577

Size: 10µg

Species: *Macaca nemestrina*

Expression host: Human Cells

Uniprot: A8T662

Protein Information:

Molecular Mass: 14&59 kDa

AP Molecular Mass: 18&70 kDa

Tag: C-His

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. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, 20% Glycerol, pH 7.4.

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

Application:

Synonyms: Proprotein Convertase Subtilisin/Kexin Type 9; Proprotein Convertase 9; PC9; Subtilisin/Kexin-Like Protease PC9; PCSK9

Immunogen Information:

Sequence: Gln31-Gln152&Ser153-Gln692

Background:

Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) is a secretory subtilase belonging to the proteinase K subfamily. PCSK9 is synthesized as a soluble zymogen that undergoes autocatalytic intramolecular processing in the ER, the pro domain and mature chain secrete together through noncovalent interactions. PCSK9 binds with low-density lipoprotein receptor (LDLR) and plays a major regulatory role in cholesterol homeostasis. PCSK9 also plays a role in the neural development.