



Recombinant Protein Technical Manual

Recombinant Human Protamine-2/PRM2 Protein (His Tag) RPES3025

Product Data:

Product SKU: RPES3025

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P31350

Protein Information:

Molecular Mass: 45.9 kDa

AP Molecular Mass: 47 kDa

Tag: C-6His

Bio-activity:

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

Endotoxin: < 1.0 EU per µg 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

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

Application:

Synonyms: Ribonucleoside-Diphosphate Reductase Subunit M2; Ribonucleotide Reductase Small Chain; Ribonucleotide Reductase Small Subunit; RRM2; RR2

Immunogen Information:

Sequence: Met 1-Phe389

Background:

Ribonucleoside-Diphosphate Reductase Subunit M2 (RRM2) belongs to the ribonucleoside diphosphate reductase small chain family. The reductase of RRM2 catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated in a cell-cycle dependent fashion. RRM2 supplies the precursors essential for DNA synthesis. RRM2 catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. Phosphorylation on Ser-20 relieves the inhibitory effect on Wnt signaling.