

RP03104

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Recombinant Human RRM2 Protein

Catalog No.: RP03104 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	6241	P31350-1

Tags

C-His

Synonyms

R2; RR2; RR2M; C2orf48

Product Information

Source	Purification
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Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.	≥ 95 % as determined by SDS-PAGE.
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Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 5% Trehalose, pH 8.0. Contact us for customized product form or formulation.

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.

Basic Information

Description

Recombinant Human RRM2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Phe389) of Human RRM2 (Accession #NP_001025.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

Reconstitution

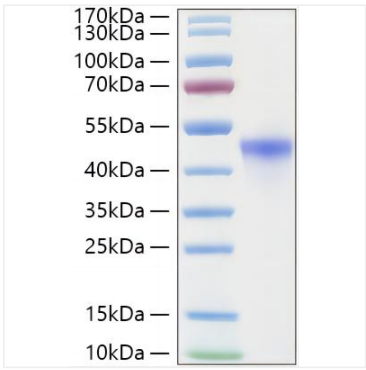
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Contact



www.abclonal.com

Validation Data



Recombinant Human RRM2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.