

## Product datasheet for **TP726919**

### RRM2 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Protamine-2/PRM2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Phe389
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mMTris,150mMNaCl,5% Trehalose,pH8.0.
Note:	Recombinant Human Ribonucleotide Reductase Small Chain is produced by our Mammalian expression system and the target gene encoding Met1-Phe389 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	6241
UniProt ID:	<a href="#">P31350</a>
Summary:	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.



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