
Product Data Sheet

Product Name: RRM2 Human
 Cat. No.: GP22235
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 1.17.4.1; RR2M; RR2; Ribonucleotide Reductase M2; R2; RRM2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSLRVPLAP ITDPQQLQLS PLKGLSLVDK ENTPPALSGT RVLASKTARR IFQEPTPKT KAAAPGVEDE PLLRENPRRF VIFPIEYHDI WQMYKKA EAS FWTAEEVDLS KDIQHWESLK PEERYFISHV LAFFAASDGI VNENLVERFS QEVQITEARC FYGFQIAMEN IHSEMYSLLI DTYIKDPKER EFLFNAIETM PCVKKKADWA LRWIGDKEAT YGERVVAFAA VEGIFFSGSF ASIFWLKKRG LMPGLTFSNE LISRDEGLHC DFACLMFKHL VHKPSEERVR EIIINAVRIE QEFLTEALPV KLIGMNCTLM KQYIEFVADR LMLELGFSKV FRVENPFDFM ENISLEGKTN FFEKRVGEYQ RMGVMSSPTE NSFTLDADF.		
Formulation	The RRM2 protein solution (1mg/ml) contains 20mM Tris-HCl pH-8, 0.1M NaCl, & 10% glycerol.		

Introduction

RRM2 catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of RRM2 is regulated in a cell-cycle dependent method. RRM2 supplies the precursors essential for DNA synthesis. RRM2 catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. RRM2 Inhibits Wnt signaling.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

RRM2 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

chain containing 409 amino acids (1-389 a.a.) and having a molecular mass of 47 kDa. The RRM2 is fused to a 20 amino acids His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA