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RRM2, 1-389aa, Human, His tag, E.coli

产品货号: TP03804

第三版

别名:Ribonucleoside-diphosphate reductase subunit M2, R2, RR2, RR2M

描述:RRM2, also known as ribonucleotide reductase M2, is an enzyme that catalyzes the formation of deoxyribonucleotides from ribonucleotides. This protein plays a critical role in regulating the total rate of DNA synthesis so that DNA to cell mass is maintained at a constant ratio during cell division and DNA repair. Recombinant human RRM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

分子量:47.0 kDa (409aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMLSLRVPLAPITDPQQLQLSPLKGLSLVDKENTPPALSGTRVLASKTARRIFQEPTPEPKTKA
AAPGVEDEPLLRENPRRFVIFPIEYHDIWQMYKKAESFWTAEEDLSKDIQHWESLKPEERYFISHVLAFFAASDGIVNEN
LVERFSQEVQITEARCFYGFQIAMENIHSEMYSLIDITYIKDPKEREFLFNAIETMPCVKKKADWALRWIGDKEATYGERVV
AFAAVEGIFFSGSFASIFWLKKRGLMPGLTFSNELISRDEGLHCDFACLMFKHLVHKPSEERVREIINAVRIEQEFLTEALPVK
LIGMNCTLMKQYIEFVADRLMLELGFVKVFRVENPFDFMENISLEGKTNFFEKRVGEYQRMGVMSSPTENSFTLDADF

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.