

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

Cat.NO.: TP03804

3th Edition

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

Description: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.

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

Molecular Weight:47.0 kDa (409aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMLSLRVPLAPITDPQQLQLSPLKGLSLVDKENTPPALSGTRVLASKTARRIFQEPT
EPKTKAAAPGVEDEPLLRENPRRFVIFPIEYHDIWQMYKKAASFMTAEVDLSKDIQHWESLKPEERYFISHVLAF
FAASDGIVNENLVERFSQEVQITEARCFYGFQIAMENIHSEMYSLIDTYIKDPKEREFLFNAIETMPCVKKKADWAL
RWIGDKEATYGERVVAFAAVEGIFSGSFASIFWLKGRGLMPGLTFSNELISRDEGLHCDFACL MFKHLVHKPSEER
VREIIINAVRIEQEFLTEALPVKLGIMNCTLMKQYIEFVADRLMLELGF SKVFRVENPFD FMENISLEGKTNFFEKRVG
EYQRMGVMSSPTENSFTLDADF

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.