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Product datasheet for AR09519PU-L

RRM2 / RR2 (1-389, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RRM2 / RR2 (1-389, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MLSLRVPLAP ITDPQQLQLS PLKGLSLVDK ENTPPALSGT RVLASKTARR IFQEPTEPKT KAAAPGVEDE PLLRENPRRF VIFPIEYHDI WQMYKKAEAS 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
Tag:	His-tag
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RRM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001025
Locus ID:	6241
UniProt ID:	P31350
Cytogenetics:	2p25.1
Synonyms:	C2orf48; R2; RR2; RR2M

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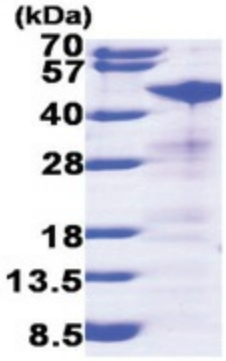
Summary: This gene encodes one of two non-identical subunits for ribonucleotide reductase. This reductase catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated in a cell-cycle dependent fashion. Transcription from this gene can initiate from alternative promoters, which results in two isoforms that differ in the lengths of their N-termini. Related pseudogenes have been identified on chromosomes 1 and X. [provided by RefSeq, Sep 2009]

Protein Families: Druggable Genome

Protein Pathways: Glutathione metabolism, Metabolic pathways, p53 signaling pathway, Purine metabolism, Pyrimidine metabolism

Product images:



15% SDS-PAGE (3ug)