Recombinant Human RRM2, T7 -tagged

Cat. No. RRM2-30111TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein (Human). T7 tag at N-terminus.
Species	Human
Source	E.coli
Description	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.
Conjugation	T7
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 0.002% Sodium AzideConstituents: 0.1% Triton-X-100, 10mM Tris, 10mM DTT, pH 8
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence	Belongs to the ribonucleoside diphosphate reductase small chain family.

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Similarities	
Full Length	Full L.

GENE INFORMATION

Gene Name	RRM2 ribonucleotide reductase M2 [Homo sapiens]
Official Symbol	RRM2
Synonyms	RRM2; ribonucleotide reductase M2; ribonucleotide reductase M2 polypeptide; ribonucleoside-diphosphate reductase subunit M2;
Gene ID	6241
mRNA Refseq	NM_001034
Protein Refseq	NP_001025
MIM	180390
Uniprot ID	P31350
Chromosome Location	2p25-p24
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; E2F mediated regulation of DNA replication, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; Fluoropyrimidine Activity, organism-specific biosystem; G1/S Transition, organism-specific biosystem;
Function	oxidoreductase activity; ribonucleoside-diphosphate reductase activity;

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	ribonucleoside-diphosphate reductase activity; transition metal ion binding;

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