

Recombinant Human RRM2 cell lysate

Cat. No. RRM2-1545HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

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; ribonucleotide reductase small chain; ribonucleotide reductase small subunit; R2; RR2; RR2M;

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Gene ID	6241
mRNA Refseq	NM_001034
Protein Refseq	NP_001025
MIM	180390
UniProt ID	P31350
Chromosome Location	2p25-p24
Pathway	Cell Cycle, organism-specific biosystem; 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; G1/S-Specific Transcription, organism-specific biosystem;
Function	oxidoreductase activity; ribonucleoside-diphosphate reductase activity; ribonucleoside-diphosphate reductase activity; transition metal ion binding;

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