Recombinant Mouse Rrm2b Protein, Myc/DDK-tagged

Cat. No. Rrm2b-5628M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ribonucleotide reductase M2 B (TP53 inducible) (Rrm2b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a pivotal role in cell survival by repairing damaged DNA in a p53/TP53-dependent manner. Supplies deoxyribonucleotides for DNA repair in cells arrested at G1 or G2. Contains an iron-tyrosyl free radical center required for catalysis. Forms an active ribonucleotide reductase (RNR) complex with RRM1 which is expressed both in resting and proliferating cells in response to DNA damage.
Molecular Mass	40.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Rrm2b ribonucleotide reductase M2 B (TP53 inducible) [Mus musculus (house mouse)]
Official Symbol	Rrm2b
Synonyms	RRM2B; ribonucleotide reductase M2 B (TP53 inducible); ribonucleoside-diphosphate reductase subunit M2 B; TP53-inducible ribonucleotide reductase M2 B; p53-inducible ribonucleotide reductase small subunit 2-like protein; p53R2
Gene ID	382985
mRNA Refseq	NM_199476
Protein Refseq	NP_955770
UniProt ID	Q6PEE3

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