

Product datasheet for **TP310340M**

p53R2 (RRM2B) (NM_015713) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribonucleotide reductase M2 B (TP53 inducible) (RRM2B), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210340 protein sequence Red =Cloning site Green =Tags(s)

MGDPERPEAAGLDQDERSSSDTNESEIKSNEEPLLRKSSRRFVIFPIQYPDIWKMYKQAQASFWTAEVVD
LSKDLPHWNKLKADEKYFISHILAFFAASDGINNENLVERFSQEVQVPEARCFYGFQILINHVHSEMYSL
LIDTYIRDPKKREFLNAIETMPYVKKKADWALRWIADRKSTFGERVVAFAAVEGVFFSGSFAAIFWLKK
RGLMPGLTFSNELISRDEGLHCDFACLMFQYLVNKPSEERVREIIVDAVKIEQEFLTEALPVGLIGMNCI
LMKQYIEFVADRLLVELGFSKVFQAENPFDPMENISLEGKTNFFFEKRVSEYQRFVAVMAETTDNVFTLDAD
F

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	40.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_056528



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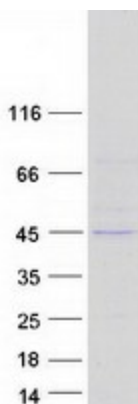
Locus ID: 50484
UniProt ID: [Q7LG56](#)
RefSeq Size: 4932
Cytogenetics: 8q22.3
RefSeq ORF: 1053
Synonyms: MTDPS8A; MTDPS8B; P53R2

Summary: This gene encodes the small subunit of a p53-inducible ribonucleotide reductase. This heterotetrameric enzyme catalyzes the conversion of ribonucleoside diphosphates to deoxyribonucleoside diphosphates. The product of this reaction is necessary for DNA synthesis. Mutations in this gene have been associated with autosomal recessive mitochondrial DNA depletion syndrome, autosomal dominant progressive external ophthalmoplegia-5, and mitochondrial neurogastrointestinal encephalopathy. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2010]

Protein Families: Druggable Genome, Transmembrane

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

Product images:



Coomassie blue staining of purified RRM2B protein (Cat# [TP310340]). The protein was produced from HEK293T cells transfected with RRM2B cDNA clone (Cat# [RC210340]) using MegaTran 2.0 (Cat# [TT210002]).