



Recombinant Human Ribonucleoside-diphosphate reductase subunit M2 B (RRM2B)

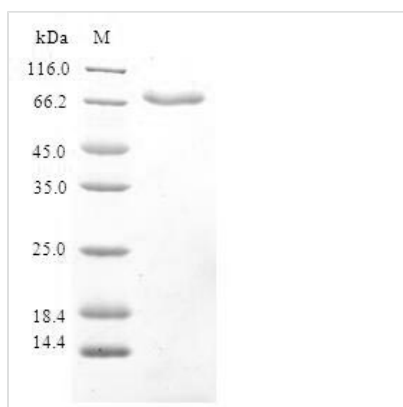
Product Code	CSB-EP745339HU
Relevance	Plays a pivotal role in cell survival by repairing damaged DNA in a p53/TP53-dependent manner. Supplies deoxyribonucleotides for DNA repair in cells arrested at G1 or G2. Contains an iron-tyrosyl free radical center required for catalysis. Forms an active ribonucleotide reductase (RNR) complex with RRM1 which is expressed both in resting and proliferating cells in response to DNA damage.
Abbreviation	Recombinant Human RRM2B protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q7LG56
Alias	TP53-inducible ribonucleotide reductase M2 B p53-inducible ribonucleotide reductase small subunit 2-like protein
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGDPERPEAAGLDQDERSSSDTNESEIKSNEEPLLKSSRRFVIFPIQYPDIWK MYKQAQASFWTAAEVDLSKDLPHWNKLKADEKYFISHILAFFAASDGVNENLV ERFSQEVQVPEARCFYGFQILIENVHSEMYSLIDTYIRDPKKREFLFNAIETMP YVKKKADWALRWIADRKSTFGERVVAFAAVEGVFFSGSFAAIFWLKGRGLMP GLTFSNELISRDEGLHCFACLMFQYLVNKPSEERVREIIVDAVKIEQEFLTEAL PVGLIGMNCILMKQYIEFVADRLLVELGFSKVFQAENPFDFMENISLEGKTNFF EKRVSSEYQRFVMAETTDNVFTLDADF
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	RRM2B
Protein Names	Recommended name: Ribonucleoside-diphosphate reductase subunit M2 B EC= 1.17.4.1 Alternative name(s): TP53-inducible ribonucleotide reductase M2 B p53-inducible ribonucleotide reductase small subunit 2-like protein Short name= p5
Expression Region	1-351aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged



Mol. Weight 67.7kDa

Protein Length Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.