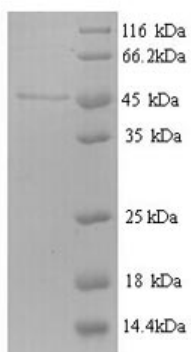




Recombinant Escherichia coli Ribonucleoside-diphosphate reductase 1 subunit beta(nrdB)

Product Code	CSB-YP303206ENV
Relevance	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. R2 contains the tyrosyl radical required for catalysis.
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.	P69924
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Protein B2 Protein R2 Ribonucleotide reductase 1
Product Type	Recombinant Protein
Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AYTTFSQTKNDQLKEPMFFGQPVNVARYDQQKYDIFEKLIKQLSFFWRPEEV DVSRDRIDYQALPEHEKHIFISNLKYQTLLDSIQGRSPNVALLPLISPELETWVE TWAFFSETIHSRSYTHIIRNIVNDPSVVFDDIVTNEQIQKRAEGISSYYDELIEMTS YWHLLGEGTHTVNGKTVTVSLRELKKKLYLCLMSVNALEAIRFYVSFACSFABA ERELMEGNAKIIRLIARDEALHLTGTQHMLNLLRSGADDPMAEIAEECKQECY DLFVQAAQQEKDWADYLFRDGSMIGLNKDILCQYVEYITNIRMQAVGLDLPFQ TRSNPIPWINTWLVSNDNVQVAPQEVEVSSYLVGQIDSEVDTDDLSNFQL
Research Area	Others
Source	Yeast
Gene Names	nrdB
Protein Names	Recommended name: Ribonucleoside-diphosphate reductase 1 subunit beta EC= 1.17.4.1 Alternative name(s): Protein B2 Protein R2 Ribonucleotide reductase 1
Expression Region	2-376aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	45.4kDa
Protein Description	Full Length of Mature Protein
Image	



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