



Recombinant Rat Protein Dr1 (Dr1)

Product Code	CSB-EP726367RA-B
Abbreviation	Dr1
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.	Q5XI68
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	ASSSGNDDD LTIPRAAINK MIKETLPNVR VANDARELVV NCCTEFIHLI SSEANEICNK SEKKTISPEH VIQALES LGF GSYISEVKEV LQECKTVALK RRKASSRLEN LGIPEEELLR QQQELFAKAR QQQAELAQQE WLQMQQAAQQ AQLAAASASA SNQAGSSQDE DDDDDI
Source	E.coli
Target Names	Dr1
Protein Names	Recommended name: Protein Dr1 Alternative name(s): Down-regulator of transcription 1 Negative cofactor 2-beta Short name= NC2-beta TATA-binding protein-associated phosphoprotein
Expression Region	2-176
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a TBP- (TATA box-binding protein) associated phosphoprotein that represses both basal and activated levels of transcription. The encoded protein is phosphorylated in vivo and this phosphorylation affects its interaction with TBP. This protein contains a histone fold motif at the amino terminus, a TBP-binding domain, and a glutamine- and alanine-rich region. The binding of DR1 repressor complexes to TBP-promoter complexes may establish a mechanism in which an altered DNA conformation, together with the formation of higher order complexes, inhibits the assembly of the preinitiation complex and controls the rate of RNA polymerase II transcription.
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

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