DNA Repair Protein RAD7 (RAD7) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA repair protein RAD7 (RAD7), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae DNA repair protein RAD7 (RAD7) , partial
Product Gene Name	RAD7 recombinant protein
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	63,777 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P06779
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RAD7 recombinant protein	MBS1236738 is a recombinant protein targeting RAD7. Also known as Recombinant Saccharomyces cerevisiae DNA repair protein RAD7 (RAD7) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RAD7 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RAD7. It may not necessarily be applicable to this product.

NCBI GI #	6322512
NCBI GeneID	853512
NCBI Accession #	NP_012586.1
UniProt Primary Accession #	P06779
UniProt Secondary Accession #	D6VWM3
UniProt Related Accession #	P06779
GenBank Nucleotide #	NM_001181710.1
NCBI Official Full Name	UV-damaged DNA-binding protein RAD7
NCBI Official Symbol	RAD7
UniProt Protein Name	DNA repair protein RAD7

Protein Family	DNA repair protein
UniProt Gene Name	RAD7
NCBI Protein Information	UV-damaged DNA-binding protein RAD7
UniProt Comments for RAD7	Component of the global genome repair (GGR) complex which promotes global genome nucleotide excision repair (GG-NER) which removes DNA damage from nontranscribing DNA. This protein is one of 10 proteins (RAD1, 2,3,4,7,10,14, 16,23 and MMS19) involved in excision repair of DNA damaged with UV light, bulky adducts, or cross-linking agents.
Research Articles on RAD7	**1.** use of rad7 Delta rad16 Delta mutants showed that Rad7-Rad16 is required for nucleotide excision repair of UV-lesions in three functionally distinct nucleosome-free regions, the promoter and 3'-end of the URA3 gene and the ARS1 origin of replication
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