DNA Repair Protein Rad16 (rad16) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA repair protein rad16 (rad16), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe DNA repair protein rad16 (rad16), partial
Product Gene Name	rad16 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	100,264 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 P36617
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rad16 recombinant protein	MBS1260830 is a recombinant protein targeting rad16. Also known as Recombinant Schizosaccharomyces pombe DNA repair protein rad16 (rad16), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rad16 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 rad16. It may not necessarily be applicable to this product.

NCBI GI #	429238685
NCBI GeneID	2538760
NCBI Accession #	NP_587855.2
UniProt Primary Accession #	P36617
GenBank Nucleotide #	NM_001022848.2
NCBI Official Full Name	DNA repair endonuclease XPF
NCBI Official Symbol	rad16
UniProt Protein Name	DNA repair protein rad16
Protein Family	DNA repair protein
UniProt Gene Name	rad16

UniProt Synonym Gene Names	rad10; rad20; swi9
NCBI Protein Information	DNA repair endonuclease XPF
UniProt Comments for rad16	Endonuclease that specifically degrades single-stranded DNA and which is involved in nucleotide excision repair of DNA damaged with UV light, bulky adducts, or cross-linking agents. Required for double strand break-induced interchromosomal gene conversion.
Research Articles on rad16	**1.** Schizosaccharomyces pombe Pxd1 promotes proper DNA repair by activating Rad16XPF and inhibiting Dna2.
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