DNA Repair Protein RAD50 (RAD50) Encephalitozoon Cuniculi Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA repair protein RAD50 (RAD50), Recombinant Protein
Full Product Name	Recombinant Encephalitozoon cuniculi DNA repair protein RAD50 (RAD50), partial
Product Gene Name	RAD50 recombinant protein
Product Synonym Gene Name	RAD50
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	144,547 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 Q8SRK6
Species	Encephalitozoon cuniculi (strain GB-M1) (Microsporidian parasite)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RAD50 recombinant protein	MBS1470925 is a recombinant protein targeting RAD50. Also known as Recombinant Encephalitozoon cuniculi DNA repair protein RAD50 (RAD50), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RAD50 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 RAD50. It may not necessarily be applicable to this product.

NCBI GI #	19074483
NCBI GeneID	859418
NCBI Accession #	NP_585989.1
UniProt Primary Accession #	Q8SRK6
UniProt Related Accession #	Q8SRK6
GenBank Nucleotide #	NM_001041611.1
NCBI Official Full Name	RAD50-LIKE DNA REPAIR PROTEIN
NCBI Official Symbol	ECU07_0610i
UniProt Protein Name	DNA repair protein RAD50

Protein Family	DNA double-strand break repair
UniProt Gene Name	RAD50
NCBI Protein Information	RAD50-LIKE DNA REPAIR PROTEIN
UniProt Comments for RAD50	Involved in DNA double-strand break repair (DSBR). The RAD50/MRE11 complex possesses single-strand endonuclease activity and ATP-dependent double-strand-specific exonuclease activity. RAD50 provides ATP-dependent control of MRE11 by unwinding and/or repositioning DNA ends into the MRE11 active site ().
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