Protein Reca (recA) Streptococcus Pneumoniae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein RecA (recA), Recombinant Protein
Full Product Name	Recombinant Streptococcus pneumoniae Protein RecA (recA)
Product Gene Name	recA recombinant protein
Sequence	MAKKPKKLEE ISKKFGAERE KALNDALKLI EKDFGKGSIM RLGERAEQKV QVMSSGSLAL DIALGSGGYP KGRIIEIYGP ESSGKTTVAL HAVAQAQKEG GIAAFIDAEH ALDPAYAAAL GVNIDELLLS QPDSGEQGLE IAGKLIDSGA VDLVVVDSVA ALVPRAEIDG DIGDSHVGLQ ARMMSQAMRK LGASINKTKT IAIFINQLRE KVGVMFGNPE TTPGGRALKF YASVRLDVRG NTQIKGTGDQ KETNVGKETK IKVVKNKVAP PFKEAVVEIM YGEGISKTGE LLKIASDLDI IKKAGAWYSY KDEKIGQGSE NAKKYLAEHP EIFDEIDKQV RSKFGLIDGE EVSEQDTENK KDEPKKEEAV NEEVPLDLGD ELEIEIEE
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	41,950 Da
Sequence Positions	1-388, Full length protein
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 P0A452
Species	Streptococcus pneumoniae (strain BAA-255 / R6)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for recA recombinant protein	MBS1257052 is a recombinant protein targeting recA. Also known as Recombinant Streptococcus pneumoniae Protein RecA (recA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of recA 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 recA. It may not necessarily be applicable to this product.

NCBI GI #	15903799
NCBI GeneID	933670
NCBI Accession #	NP_359349.1
UniProt Primary Accession #	P0A452
UniProt Secondary Accession #	P30758

UniProt Related Accession #	P0A452
GenBank Nucleotide #	NC_003098.1
NCBI Official Full Name	recombinase A
NCBI Official Symbol	recA
UniProt Protein Name	Protein RecA
UniProt Synonym Protein Names	Recombinase A
Protein Family	DNA repair protein
UniProt Gene Name	recA
NCBI Protein Information	recombinase A
UniProt Comments for recA	Can catalyze the hydrolysis of ATP in the presence of single-stranded DNA, the ATP-dependent uptake of single-stranded DNA by duplex DNA, and the ATP-dependent hybridization of homologous single-stranded DNAs (). It interacts with LexA causing its activation and leading to its autocatalytic cleavage (). Required for DNA transformation; protects transforming DNA from degradation, possibly in combination with DprA (PubMed:14617176, PubMed:17803906). Present at 15,000-30,000 monomers per competent cell (PubMed:14617176).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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