Insertion Element IS1 1 Protein Insa (insA1) Escherichia Coli Recombinant Protein

PRODUCT OVERVIEW

Product Name	Insertion element IS1 1 protein insA (insA1), Recombinant Protein
Full Product Name	Recombinant Escherichia coli Insertion element IS1 1 protein insA (insA1)
Product Gene Name	insA1 recombinant protein
Sequence	MASVSISCPS CSATDGVVRN GKSTAGHQRY LCSHCRKTWQ LQFTYTASQP GTHQKIIDMA MNGVGCRATA RIMGVGLNTI LRHLKNSGRS R
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	9,868 Da
Sequence Positions	1-91, 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 P0CF07
Species	Escherichia coli (strain K12)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for insA1 recombinant protein	MBS1129709 is a recombinant protein targeting insA1. Also known as Recombinant Escherichia coli Insertion element IS1 1 protein insA (insA1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of insA1 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 insA1. It may not necessarily be applicable to this product.

NCBI GI #	16128016
NCBI GeneID	948449
NCBI Accession #	NP_414563.1
UniProt Primary Accession #	P0CF07
UniProt Secondary Accession #	P03827; P0ADH0; P0C650; Q2EER2; Q2MCF5; Q2MCH2; Q933I5
GenBank Nucleotide #	NC_000913.3
NCBI Official Full Name	IS1 repressor TnpA

NCBI Official Symbol	insA
NCBI Official Synonym Symbols	ECK0023
UniProt Protein Name	Insertion element IS1 1 protein InsA
UniProt Synonym Protein Names	IS1a
Protein Family	Insertion element IS1 1 protein
UniProt Gene Name	insA1
NCBI Protein Information	IS1 repressor TnpA
NCBI Summary for insA1	IS1 is inserted in 7 locations in MG1655, designated IS1ABCDEFH; IS1G is specific to the W3110 K-12 chromosome. [More information is available at EcoGene: EG60003]. IS1 is the smallest insertion sequence in Escherichia coli. [More information is available at EcoCyc: G6086].
UniProt Comments for insA1	Absolutely required for transposition of IS1.
Research Articles on insA1	**1.** these findings indicate a plasticity of the OXA-48 genetic environment mediated by IS1R insertion sequences
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