Extracellular Matrix Protein-Binding Protein Emp (emp) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Extracellular matrix protein-binding protein emp (emp), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Extracellular matrix protein-binding protein emp (emp)
Product Gene Name	emp recombinant protein
Product Synonym Gene Name	emp; SAOUHSC_00816
Product Synonym Names	Extracellular matrix protein-binding protein emp
Sequence	SVTE SVDKKFVVPE SGINKIIPAY DEFKNSPKVN VSNLTDNKNF VASEDKLNKI ADSSAASKIV DKNFVVPESK LGNIVPEYKE INNRVNVATN NPASQQVDKH FVAKGPEVNR FITQNKVNHH FITTQTHYKK VITSYKSTHV HKHVNHAKDS INKHFIVKPS ESPRYTHPSQ SLIIKHHFAV PGYHAHKFVT PGHASIKINH FCVVPQINSF KVIPPYGHNS HRMHVPSFQN NTTATHQNAK VNKAYDYKYF YSYKVVKGVK KYFSFSQSNG YKIGKPSLNI KNVNYQYAVP SYSPTHYVPE FKGSLPAPRV
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	38,485 Da
Sequence Positions	27-340aa; Extracellular domain
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 Q2G012
Species	Staphylococcus aureus (strain 8325)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for emp recombinant protein	MBS1341599 is a recombinant protein targeting emp. Also known as Recombinant Staphylococcus aureus Extracellular matrix protein-binding protein emp (emp). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of emp 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 emp. It may not necessarily be applicable to this product.

NCBI GI #	446650710
NCBI GeneID	3919378
NCBI Accession #	WP_000728056.1

UniProt Primary Accession #	Q2G012
UniProt Related Accession #	Q2G012
GenBank Nucleotide #	WP_000728056.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	SAOUHSC_00816
UniProt Protein Name	Extracellular matrix protein-binding protein emp
Protein Family	Extracellular matrix protein-binding protein
UniProt Gene Name	emp
UniProt Synonym Gene Names	SAOUHSC_00816
UniProt Entry Name	EMP_STAA8
NCBI Protein Information	extracellular matrix and plasma binding protein
UniProt Comments for emp	Adhesin that binds to the host cell extracellular matrix proteins fibronectin, fibrinogen, collagen, and vitronectin.
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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