Caerin-1.1 Litoria Gilleni Recombinant Protein

PRODUCT OVERVIEW

Product Name	Caerin-1.1, Recombinant Protein
Full Product Name	Recombinant Litoria gilleni Caerin-1.1
Product Synonym Names	Recombinant Caerin-1.1; Caerin-1.1 Cleaved into the following 6 chains: 1. Caerin-1.1.1 2. Caerin-1.1.3 3. Caerin-1.1.5 4. Caerin-1.1.6 5. Caerin-1.1.7 6. Caerin-1.1.8
Sequence	GLLSVLGSVA KHVLPHVVPV IAEHL
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	2,585 Da
Sequence Positions	1-25aa; Cytoplasmic 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 P62569
Species	Litoria gilleni (Centralian tree frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Caerin-1.1 recombinant protein	MBS1258594 is a recombinant protein targeting Caerin-1.1. Also known as Recombinant Litoria gilleni Caerin-1.1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Caerin-1.1 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 Caerin-1.1. It may not necessarily be applicable to this product.

NCBI GI #	50401867
NCBI Accession #	P62569.1
UniProt Primary Accession #	P62569
UniProt Secondary Accession #	P56226
NCBI Official Full Name	Caerin-1.1
UniProt Protein Name	Caerin-1.1
Protein Family	Caerin

UniProt Entry Name	CR11_LITGI
UniProt Comments for Caerin-1.1	Function: Antibacterial and antiviral peptides that adopt an alpha helical conformation which can disrupt bacterial membranes. Each caerin displays a different antimicrobial specificity. Subcellular location: Secreted. Tissue specificity: Expressed by the skin parotoid and/or rostral glands. Domain: Contains two amphipathic alpha helix regions separated by a region of less-defined helicity and greater flexibility. Post-translational modification: The major product is Caerin-1.1; in addition, different peptides are produced that are missing some amino acid residues at the N-terminus or C-terminus. Caerin-1.1.1 is inactive. Sequence similarities: Belongs to the frog skin active peptide (FSAP) family. Caerin subfamily. Mass spectrometry: Molecular mass is 2582 Da from positions 1 - 25. Determined by FAB. Ref.1Molecular mass is 2412 Da from positions 3 - 25. Determined by FAB. Ref.1Molecular mass is 1421 Da from positions 13 - 25. Determined by FAB. Ref.1Molecular mass is 1626 Da from positions 1 - 16. Determined by FAB. Ref.1Molecular mass is 1489 Da from positions 1 - 15. Determined by FAB. Ref.1Molecular mass is 1180 Da from positions 1 - 12. Determined by FAB. Ref.1Molecular mass is 915 Da from positions 1 - 10. Determined by FAB. Ref.1
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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