Annexin A8 (ANXA8) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Annexin A8 (ANXA8), Recombinant Protein
Full Product Name	Recombinant Bovine Annexin A8 (ANXA8)
Product Gene Name	ANXA8 recombinant protein
Product Synonym Gene Name	ANXA8
Sequence	MAWWKAWVEQ EGVSVKGSPH FNPDPDAETL YKAMKGIGTN EQAIIDVLTK RSNAQRQQIA KSFKAQFGKD LIETLKSELS GKFERLIIAL MYPPYRYEAK ELYDAMKGIG TKEGVIIEIL ASRTKNQLQE IMKAYEEDYG SNLEEDIKAD TSGYLERILV CLLQGSRDDL SGYVDPGLAL QDAQDLYAAG EKICGTDEMK FITILCTRSA THLMRVFEEY EKIANKSIED SIKSETHGSL EEAMLTVVKC TRNLHGYFAE RLYFAMKGAG TLDGTLIRNI VSRSEIDLNL IKNQFKKMYG KTLSSMIMED TSGDYKNALL NLVGSDL
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	36,787 Da
Sequence Positions	1-327, 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 Q95L54
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ANXA8 recombinant protein	This gene encodes a member of the annexin family of evolutionarily conserved Ca2+ and phospholipid binding proteins. The encoded protein may function as an an anticoagulant that indirectly inhibits the thromboplastin-specific complex. Overexpression of this gene has been associated with acute myelocytic leukemia. A highly similar duplicated copy of this gene is found in close proximity on the long arm of chromosome 10.
Other Notes	Small volumes of ANXA8 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.
Searchable Terms for ANXA8 purchase	MBS1342704 is a recombinant protein targeting ANXA8. Also known as Recombinant Bovine Annexin A8 (ANXA8). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANXA8. It may not necessarily be applicable to this product.

NCBI GI #	27806317
NCBI GeneID	281627

NCBI Accession #	NP_776666.1
UniProt Primary Accession #	Q95L54
UniProt Related Accession #	Q95L54
GenBank Nucleotide #	NM_174241.2
NCBI Official Full Name	annexin A8
NCBI Official Symbol	ANXA8L1
NCBI Official Synonym Symbols	ANXA8
UniProt Protein Name	Annexin A8
UniProt Synonym Protein Names	Annexin VIII; Annexin-8
Protein Family	Annexin
UniProt Gene Name	ANXA8
NCBI Protein Information	annexin A8
UniProt Comments for ANXA8	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade.
Research Articles on ANXA8	**1.** Annexin VIII was expressed by growth plate, not epiphyseal, chondrocytes. In osteoarthritic cartilage, it was seen in a subset of mid- to deep zone chondrocytes & the matrix around them; none was detected in normal articular cartilage.
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