Fibronectin (FN1) Horse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fibronectin (FN1), Recombinant Protein
Full Product Name	Recombinant Horse Fibronectin (FN1), partial
Product Gene Name	FN1 recombinant protein
Product Synonym Gene Name	FN1
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	29,450 Da
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 Q28377
Species	Equus caballus (Horse)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FN1 recombinant protein	This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants. However, the full-length nature of some variants has not been determined.
Other Notes	Small volumes of FN1 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 FN1 purchase	MBS1282100 is a recombinant protein targeting FN1. Also known as Recombinant Horse Fibronectin (FN1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FN1. It may not necessarily be applicable to this product.

NCBI GI #	2497972
NCBI GeneID	100034189
NCBI Accession #	Q28377.2
UniProt Primary Accession #	Q28377
UniProt Secondary Accession #	Q28378
UniProt Related Accession #	Q28377

NCBI Official Full Name	Fibronectin
NCBI Official Symbol	FN1
UniProt Protein Name	Fibronectin
Protein Family	Fibronectin
UniProt Gene Name	FN1
UniProt Synonym Gene Names	FN
NCBI Protein Information	fibronectin
UniProt Comments for FN1	Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization. Participates in the regulation of type I collagen deposition by osteoblasts ().
Research Articles on FN1	**1.** The expression of extracellular matrix molecules fibronectin and osteopontin in vitreous and retina samples in autoimmune uveitis was investigated.
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