Myeloid Leukemia Factor 1 (MLF1) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Myeloid leukemia factor 1 (MLF1), Recombinant Protein
Full Product Name	Recombinant Bovine Myeloid leukemia factor 1 (MLF1)
Product Gene Name	MLF1 recombinant protein
Product Synonym Gene Name	MLF1
Sequence	MFGMLSSSFE DDPFFSDSFI AHRESMRQMM RSFSEPFGRD MLSISDRRGR ARNRMGHEDE ENSLTHTDVS PFQAMDRMML NMRNSMQELQ RNFGHLSMDP NGHSFSSSSV MTYSKVGDEP PKVFQASTQT RRAPGGIKET RKALRDSDSG LEKMAVGHHL HDRAHVIKKS KNNKTGDEEV NQEFINMNEC DAHAFDDEWQ NEILKYQPRG QWRNLDNSRM RSVAHENSGS RELKRREKHH QSPAIEHGRR SNVFVDKLNI KGSPVKINKK
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	31,227 Da
Sequence Positions	1-270, 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 Q32KY3
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MLF1 recombinant protein	MBS1440640 is a recombinant protein targeting MLF1. Also known as Recombinant Bovine Myeloid leukemia factor 1 (MLF1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MLF1 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 MLF1. It may not necessarily be applicable to this product.

NCBI GI #	84000291
NCBI GeneID	533379
NCBI Accession #	NP_001033247.1
UniProt Primary Accession #	Q32KY3
UniProt Related Accession #	Q32KY3

GenBank Nucleotide #	NM_001038158.2
NCBI Official Full Name	myeloid leukemia factor 1
NCBI Official Symbol	MLF1
UniProt Protein Name	Myeloid leukemia factor 1
UniProt Synonym Protein Names	Myelodysplasia-myeloid leukemia factor 1
Protein Family	Myeloid leukemia factor
UniProt Gene Name	MLF1
NCBI Protein Information	myeloid leukemia factor 1
UniProt Comments for MLF1	Involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. Interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. Suppresses RFWD2/COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. Binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus ().
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