Ubiquitin-Fold Modifier-Conjugating Enzyme 1 (UFC1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ubiquitin-fold modifier-conjugating enzyme 1 (Ufc1), Recombinant Protein
Full Product Name	Recombinant Mouse Ubiquitin-fold modifier-conjugating enzyme 1 (Ufc1)
Product Gene Name	Ufc1 recombinant protein
Product Synonym Gene Name	Ufc1
Sequence	MADEATRRVV SEIPVLKTNA GPRDRELWVQ RLKEEYQSLI RYVENNKNSD NDWFRLESNK EGTRWFGKCW YIHDFLKYEF DIEFEIPITY PTTAPEIAVP ELDGKTAKMY RGGKICLTDH FKPLWARNVP KFGLAHLMAL GLGPWLAVEV PDLIQKGVIQ HKEKCSQ
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	19,481 Da
Sequence Positions	1-167, 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 Q9CR09
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ufc1 recombinant protein	MBS1385753 is a recombinant protein targeting Ufc1. Also known as Recombinant Mouse Ubiquitin-fold modifier-conjugating enzyme 1 (Ufc1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ufc1 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 Ufc1. It may not necessarily be applicable to this product.

NCBI GI #	13384768
NCBI GeneID	66155
NCBI Accession #	NP_079664.1
UniProt Primary Accession #	Q9CR09
UniProt Related Accession #	Q9CR09
GenBank Nucleotide #	NM_025388.3

NCBI Official Full Name	ubiquitin-fold modifier-conjugating enzyme 1 isoform a
NCBI Official Synonym Full Names	ubiquitin-fold modifier conjugating enzyme 1
NCBI Official Symbol	Ufc1
NCBI Official Synonym Symbols	ESTM29; AA062310; 1110021H02Rik
UniProt Protein Name	Ubiquitin-fold modifier-conjugating enzyme 1
UniProt Gene Name	Ufc1
UniProt Synonym Gene Names	Ufm1-conjugating enzyme 1
NCBI Protein Information	ubiquitin-fold modifier-conjugating enzyme 1
UniProt Comments for Ufc1	E2-like enzyme which forms an intermediate with UFM1 via a thioester linkage.
Research Articles on Ufc1	**1.** results suggest that Ufm1 is upregulated in diabetic mouse RPMs and in Raw264.7 cells in response to ER stress and that Ufm1 protects macrophages against apoptosis.
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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