Metacaspase-7 (AMC7) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Metacaspase-7 (AMC7), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Metacaspase-7 (AMC7)
Product Gene Name	AMC7 recombinant protein
Product Synonym Gene Name	AMC7
Sequence	MAKRALLIGI NYPGTTEELQ GCVNDVHRMH KCLVDRFGFA EEDITVLIDT DESYTQPTGK NIRQALSELI KPAKSGDVLF VHYSGHGTRV PPETGEEDDT GFDECIVPSD LNPIPDDDFR DLVEQVPEGC QITIVSDSCH SGGLIDEAKE QIGESTTTKP NRESKVSSFE FEFKNCLHSI FVKLLAFCGI GSSHVETREI VEVGEGDEVV RSRYLPLERF IELLKQQTGQ DNIEIGKIRP TLFDVFGEDS SPKIKKFMKV ILTKLRKTND QSTLLGKIEE SARGYIEETL NDEHYMKPAM QAQVKSDREI YGGRSSNGLF PDRGILLSGC QTDETSADVK KKGEAFGAFS NAIQMVLSET DHKDKITNKE MVLRAREILK KQMFIQRPGL YCNDRFVNAP FIC
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	45,186 Da
Sequence Positions	1-403, 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 Q6XPT5
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AMC7 recombinant protein	MBS1310783 is a recombinant protein targeting AMC7. Also known as Recombinant Arabidopsis thaliana Metacaspase-7 (AMC7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AMC7 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 AMC7. It may not necessarily be applicable to this product.

NCBI GI #	42563346
NCBI GeneID	844269
NCBI Accession #	NP_178049.2
UniProt Primary Accession #	Q6XPT5

UniProt Secondary Accession #	O64520; Q56X59; Q7XJE4
UniProt Related Accession #	Q6XPT5
GenBank Nucleotide #	NM_106579.5
NCBI Official Full Name	metacaspase 7
NCBI Official Symbol	MC7
NCBI Official Synonym Symbols	AtMC7; AtMCP2a; MCP2a; metacaspase 2a; metacaspase 7; YUP8H12R.7; YUP8H12R_7
UniProt Protein Name	Metacaspase-7
UniProt Synonym Protein Names	Metacaspase 2a; AtMCP2a; Metacaspase-4
Protein Family	Metacaspase
UniProt Gene Name	AMC7
UniProt Synonym Gene Names	AMC4; MCP2A; AtMC7; AtMCP2a
NCBI Protein Information	metacaspase 7
NCBI Summary for AMC7	Encodes a putative metacaspase. Arabidopsis contains three type I MCP genes (MCP1a-c) and six type II MCP genes (MCP2a#Aeif): AtMCP1a/At5g64240, AtMCP1b/At1g02170, AtMCP1c/At4g25110, AtMCP2a/At1g79310, AtMCP2b/At1g79330, AtMCP2c/At1g79320, AtMCP2d/At1g79340, AtMCP2e/At1g16420, AtMCP2f/At5g04200.
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