Myotubularin-related protein 3 (MTMR3) Recombinant Protein | MTMR3 recombinant protein

Recombinant Human Myotubularin-related protein 3 (MTMR3) , partial

CATALOG #	HOST
AAA116750	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Myotubularin-related protein 3 (MTMR3); Recombinant Human Myotubularin-related protein 3 (MTMR3); partial; MTMR3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	155-576aa; partial of Isoform 1(Myotubularin phosphatase domain)
Sequence	EHVTSRFKNE VERMGFDMNN AWRISNINEK YKLCGSYPQE LIVPAWITDK ELESVSSFRS WKRIPAVIYR HQSNGAVIAR CGQPEVSWWG WRNADDEHLV QSVAKACASD SRSSGSKLST RNTSRDFPNG GDLSDVEFDS SLSNASGAES LAIQPQKLLI LDARSYAAAV ANRAKGGGCE CPEYYPNCEV VFMGMANIHS IRRSFQSLRL LCTQMPDPGN WLSALESTKW LHHLSVLLKS ALLVVHAVDQ DQRPVLVHCS DGWDRTPQIV ALAKLLLDPY YRTIEGFQVL VEMEWLDFGH KFADRCGHGE NSDDLNERCP VFLQWLDCVH QLQRQFPCSF EFNEAFLVKL VQHTYSCLFG TFLCNNAKER GEKHTQERTC SVWSLLRAGN KAFKNLLYSS QSEAVLYPVC HVRNLMLWSA VY
Species	Human
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.

ADDITIONAL INFORMATION

Related Product Information for MTMR3 recombinant protein	This gene encodes a member of the myotubularin dual specificity protein phosphatase gene family. The encoded protein is structurally similar to myotubularin but in addition contains a FYVE domain and an N-terminal PH-GRAM domain. The protein can self-associate and also form heteromers with another myotubularin related protein. The protein binds to phosphoinositide lipids through the PH-GRAM domain, and can hydrolyze phosphatidylinositol(3)-phosphate and phosphatidylinositol(3,5)-biphosphate in vitro. The encoded protein has been observed to have a perinuclear, possibly membrane-bound, distribution in cells, but it has also been found free in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835109
NCBI GeneID	8897
NCBI Accession #	NP_066576.1
NCBI GenBank Nucleotide #	NM_021090.3
UniProt Accession #	Q13615; Q9NYN5; Q9NYN6; Q9UDX6; Q9UEG3; A5PL26; A7MD32
Molecular Weight	129,444 Da
NCBI Official Full Name	myotubularin-related protein 3 isoform c

NCBI Official Synonym Full Names	myotubularin related protein 3
NCBI Official Symbol	MTMR3
NCBI Official Synonym Symbols	ZFYVE10; FYVE-DSP1
NCBI Protein Information	myotubularin-related protein 3
UniProt Protein Name	Myotubularin-related protein 3
UniProt Gene Name	**MTMR3**
UniProt Synonym Gene Names	KIAA0371; ZFYVE10; FYVE-DSP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/mtmr3-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116750