

Product Information

MemDX™ Membrane Protein Human ATG9A (Autophagy related 9A)

Cat. No.: **MP0288J**

This product is for research use only and is not intended for diagnostic use.

This product is a 94.3 kDa Human ATG9A membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ATG9A

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

94.3 kDa

TMD

6

Sequence

MAQFDTEYQRLEASYSDSPPGEDLLVHVAEGSKSPWHHIENLDLFFSRVYNLHQKNGFTCMLIGEIFEL
MQFLFVVAFTTFLVSCVDYDILFANKMVNHS LHPTPEVKVTL PDAFLPAQVCSARIQENGSLITILVIAG
VFWIHRLIKFIYNICCYWEIHSFY LHALRIPMSALPYCTWQEVQARIVQTQKEHQICIKREL TELDIYH
RILRFQNYMVALVNKSLPLRFR L PGLGEAVFFTRGLKYNFELILFWGPGSLFLNEW SLKAEYKRGGQRL
ELAQRLSNRILWIGIANFLLCPLILWQILYAFFSYAEVLKREPGALGARCWSLYGRCYL RHFNELEHEL
QSRLNRGYKPASKYMNCF LSPLLTLLAKNGAFFAGSILAVLI ALTIYDEDVLAVEHVLTTVTLLGVTVTV
CRSFIPDQHMVFCPEQLLRVILAH IHYMPDHWQGN AHR SQTRDEFAQLFQYKAVFILEELLSPIVTPLIL
IFCLRPRALEIIDFRNFTVEVVGVDTC SFAQMDVRQHGH PQWLSAGQTEASVYQQAEDGKTELSLMHF
AITNPGWQPPRESTAFLGFLKEQVQRDGA AASLAQGGLLPENALFTSIQSLQSESEPLSLIANV VAGSSC
RGPPLPRDLQGSRHRAEVASALRSFSPLQPGQAPTGRAHSTMTGSGVDARTASSGSSVWEGQLQSLVLSE
YASTEMSLHALYMHQLHKQQAQAE PERHVWHRRESDESGESAPDEGGEGARAPQSIPRSASYPCAAPRPG
APETTALHGGFQRRYGGITDPGTVP RVPSHFSRLPLGGWAEDGQSASRHPEPVPEEGSEDELPPQVHKV

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

ATG9A

Full Name

Autophagy related 9A

Introduction

Involved in autophagy and cytoplasm to vacuole transport (Cvt) vesicle formation. Plays a key role in the organization of the preautophagosomal structure/phagophore assembly site (PAS), the nucleating site for formation of the sequestering vesicle. Cycles between a juxta-nuclear trans-Golgi network compartment and late endosomes. Nutrient starvation induces accumulation on autophagosomes. Starvation-dependent trafficking requires ULK1, ATG13 and SUPT20H.

Alternative Names

mATG9; APG9L1; MGD3208; APG9 autophagy 9-like 1; APG9-like 1; ATG9 autophagy related 9 homolog A

Gene ID

[79065](#)

UniProt ID

[Q7Z3C6](#)