

Product datasheet for TP322513M

ATG9A (NM_024085) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ATG9 autophagy related 9 homolog A (<i>S. cerevisiae</i>) (ATG9A), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222513 representing NM_024085 Red=Cloning site Green=Tags(s)

MAQFDTEYQRLEASYSDSPGEEEDLLVHVAEGSKSPWHHIENLDLFFSRVYNLHQKNGFTCMLIGEIFEL
MQFLFVAFTTFLVSCVDYDILFANKMVNHS LHPTPEVKVTLPD AFLPAQVCSARIQENGLITILVIAG
VFWIHRLIKFIYNICCYWEIHSFYLHALRIPMSALPYCTWQEVQARIVQTQKEHQICIHKRELTELDIYH
RILRFQNYMVALVNKSLPLRFRPLG LGEAVFFTRGLKYNFELILFWGPGSLFLNEW SLKAEYKRGGQRL
ELAQRLSNRILWIGIANFLLCPLILWQILYAFFSYAEVLKREPGALGARCWSLYGRCYLRFHNELEHEL
QSRLNRGYKPA SKYMNCFLSPLL TLLAKNGAFFAGSILAVLI ALTIYDEDVLAVEHVLT TTVTL LGVTVTV
CRSFIPDQHMVFCPEQLLRVILAHIHYPDHWQGN AHR SQTRDEFAQLFQYKAVFILEELLSPIVTPLIL
IFCLRPRALEIIDFFRNFTVEVVGVDTC SFAQMDVRQHGHQPWLSAGQTEASVYQQAEDGKTELSLMHF
AITNPGWQPPRESTAFLGFLKEQVQRDGA AASLAQGGLLPENALFTSIQSLQSESEPLSIANVWAGSSC
RGPPLPRDLQGSRHRAEVASALRSFSPLQPGQAPTGRAHSTMTGSGVDARTASSGSSVWEGQLQSLVLSE
YASTEMSLHALYMHQLHKQQAQAEPERHVWHRRSEDES GESAPDEGGEGARAPQSIPRSASYPCAAPRPG
APETTALHGGFQRRYGGITDPGTVPRVPSHFSRLPLGGWAEDGQSASRHPEPVPEEGSEDELPPQVHKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

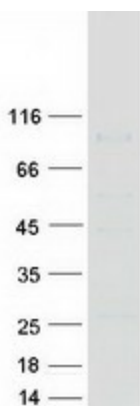
Tag:	C-Myc/DDK
Predicted MW:	94.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_076990
Locus ID:	79065
UniProt ID:	Q7Z3C6 , A0A024R438
RefSeq Size:	3816
Cytogenetics:	2q35
RefSeq ORF:	2517
Synonyms:	APG9L1; mATG9; MGD3208
Summary:	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.[UniProtKB/Swiss-Prot Function]
Protein Families:	Transmembrane

Product images:



Coomassie blue staining of purified ATG9A protein (Cat# [TP322513]). The protein was produced from HEK293T cells transfected with ATG9A cDNA clone (Cat# [RC222513]) using MegaTran 2.0 (Cat# [TT210002]).