

Product datasheet for PH322513

ATG9A (NM_024085) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ATG9A MS Standard C13 and N15-labeled recombinant protein (NP_076990)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222513
Predicted MW:	94.3 kDa
Protein Sequence:	>RC222513 representing NM_024085 Red=Cloning site Green=Tags(s)

MAQFDTEYQRLEASYSPPGEEEDLLVHVAEGSKSPWHHIENLDLFFSRVYNLHQKNGFTCLIGEIFEL
MQFLFVVAFTTFLVSCVDYDILFANKMVNHSHPTEPVKVTLPDAFLPAQVCSARIQENGLITILVIAG
VFWIHRLIKFIYNICCYWEIHSFYLHALRIPMSALPYCTWQEVQARIVQTQKEHQICIKRELTELDIYH
RILRFQNYMVALVNSLLPLRFRLPGLGEAVFFTRGLKYNFELILFWGPGSLFLNEWSLKAEYKRGQRL
ELAQRLSNRILWIGIANFLLCPLILIWQILYAFFSYAEVLKREPGALGARCWSLYGRCYLRFHNELEHEL
QSRLNRGYKPASKYMNCFLSPLLTLAKNGAFFAGSILAVLIALTIYDEDVLAHEHVLTTVTLLGVTVTV
CRSFIPDQHMVFCPEQLLRVILAHIHYPDHWQGNARSQTRDEFAQLFQYKAVFIEELLSPIVTPLIL
IFCLRPRALEIIDFFRNFTVEVVGVDTCFAQMDVVRQHGHPQWL SAGQTEASVYQQAEDGKTELSLMHF
AITNPGWQPPRESTAFLGFLKEQVQRDGAASLAQGGLLPENALFTSIQSLQSESEPLSLIANVVAGSSC
RGPPLPRDLQGSRRHAEVASALRSFSPLQPGAPTGRAHSTMTGSGVDARTASSGSSVWEGQLQSLVLS
YASTEMSLHALYMHQLHKQQAQAEPPERHYVHRRESDESGESAPDEGGEGARAPQSIPRSASYPCAAAPRG
APETTALHGGFQRRYGGITDPGTVPRVPSHF SRLPLGGWAEDGQSASRHPEPVPEEGSEDELPPQVHKV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_076990



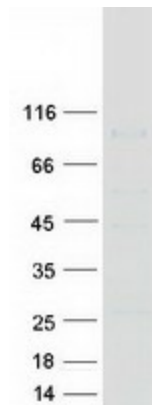
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RefSeq Size: 3816
RefSeq ORF: 2517
Synonyms: APG9L1; mATG9; MGD3208
Locus ID: 79065
UniProt ID: [Q7Z3C6](#), [A0A024R438](#)
Cytogenetics: 2q35

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]).