

Product datasheet for PH301011

ATG101 (NM_021934) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C12orf44 MS Standard C13 and N15-labeled recombinant protein (NP_068753)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201011
Predicted MW:	25 kDa
Protein Sequence:	>RC201011 protein sequence Red=Cloning site Green=Tags(s) MNCRSEVLEVSVEGRQVEEAMLA VLHTVLLHRSTGKFHYKKEGTYSIGTVGTQD VDCDFIDFTYVRVSSE ELDRALRKVVGEFKDALRNSGGDGLQMSLEFYQKKSRWPFSD ECI PWEVWTVKVHVVALATEQERQIC REKVGKELCEKIINIVEVMNRHEYLPKMPTQSEVDNVFDTGLRDVQPYLYKISFQITDALGTSVTTMRR LIKDTLAL 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_068753
RefSeq Size:	1458
RefSeq ORF:	654
Synonyms:	C12orf44
Locus ID:	60673
UniProt ID:	Q9BSB4 , A0A024R128

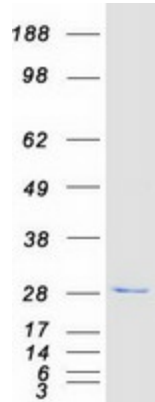


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Cytogenetics: 12q13.13

Summary: Autophagy factor required for autophagosome formation. Stabilizes ATG13, protecting it from proteasomal degradation.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified ATG101 protein (Cat# [TP301011]). The protein was produced from HEK293T cells transfected with ATG101 cDNA clone (Cat# [RC201011]) using MegaTran 2.0 (Cat# [TT210002]).