

Product datasheet for **SC329788**

KIAA0652 (ATG13) (NM_001205122) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0652 (ATG13) (NM_001205122) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0652
Synonyms:	KIAA0652; PARATARG8
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329788 representing NM_001205122. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTGTGTGGAGATTTCACCTTAAGACTTCTGAGGGAGATTCCATGGAGCTGGAATATGGTGTCTTGAA
 ATGAATGAAAAGTGTGATAAAGAAATCAAAGTTTCCTACACGGTGTACAACAGACTGTCATTGCTGCTG
 AAGTCCCTTCTTGCTATAACTAGGGTGACACGACCTATAGGCTCTCCAGGAAACAAGGGCATGAATAT
 GTCATATTATACAGGATATATTTTGGAGAAGTTCAGCTGAGTGGCTTAGGAGAAGGCTTCCAGACAGTT
 CGTGTGGGACAGTGGGCACCCCTGTGGGCACCATCACTCTTTCTGTGCTTACAGAATTAACCTGGCA
 TTCATGTCTACAGGCAATTTGAGAGGACCCACCTATCATGGGGATTATTATTGATCACTTTGTGGAC
 CGTCCCTATCCCAGCTCCTCTCCCATGCACCCCTGCAATTACAGAACTGCTGGTGAGGACACTGGAGTA
 ATATACCCGTCTGTAGAAGACTCTCAAGAAGTGTGTACCACCTCTTTTCCACCTCCCCACCATCCCAG
 CTGATGGTTCTGGGAAGGAAGGTGGGGTACCCCTTGCTCCCAACCAGCCTGTCCATGGTACCCAGGCT
 GACCAGGAGAGACTGGCAACCTGCACCCCTTCTGACAGAACCCACTGTGCTGCCACACCTCCAGTAGT
 GAGGATACTGAAACCGTATCAAACAGCAGTGAGGGACGGGCTCCCTCACGATGTCTTGGAGACCATC
 TTTGTCCGAAAAGTGGGGCTTTTGTCAACAAACCCATTAACCAGGTGACCCTGACGAGTTTGGATATA
 CCCTTTGCCATGTTTGTCCCAAGAATTTGGAGCTGGAGGATACCGATCCAATGGTGAATCCTCCAGAT
 TCCCCAGAGACTGAATCTCCTCTCCAGGGCAGCCTGCACTCAGATGGCTCCAGCGGGGCAGCAGTGGC
 AATACCCATGATGACTTTGTTATGATAGACTTTAAACCAGCTTTTCTAAAGATGACATTCTTCCGATG
 GACCTGGGGACCTTCTATCGGGAGTTTCAAGAACCCACCTCAGCTGAGCAGCCTCTCCATAGATATTGGA
 GCACAGTCCATGGCTGAAGACTTGGACTCATTACCAGAGAAGCTGGCTGTGCATGAGAAGATGTCCGC
 GAGTTTGATGCCTTTGTGGAAACCCTGCAGTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001205122
Insert Size:	1206 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


[View online »](#)

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001205122.1</u>
RefSeq Size:	5674 bp
RefSeq ORF:	1206 bp
Locus ID:	9776
UniProt ID:	<u>O75143</u>
Cytogenetics:	11p11.2
MW:	44.1 kDa
Gene Summary:	The protein encoded by this gene is an autophagy factor and a target of the TOR kinase signaling pathway. The encoded protein is essential for autophagosome formation and mitophagy. [provided by RefSeq, Oct 2016] Transcript Variant: This variant (6) has multiple differences compared to variant 3. These differences result in a distinct 5' UTR and cause translation initiation at a downstream start codon compared to variant 3. The encoded isoform (h, also known as isoform 4) has a distinct N-terminus and is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.