

Product datasheet for **SC306642**

C9orf21 (AAED1) (NM_153698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9orf21 (AAED1) (NM_153698) Human Untagged Clone
Tag:	Tag Free
Symbol:	C9orf21
Synonyms:	AAED1; C9orf21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306642 representing NM_153698. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
 ATGGCCGCGCCGGCCCCGGTCACGCGGCAGGTTAGCGGCGCCGCCCTGGTCCCGGCCCGAGCGGC
 CCCGACAGCGGGCAGCCCTGGCGGCCGCGTGGCCGAGCTGCCGGTCTGGACGCCCGCGGCAGCGG
 GTACCGTTCCGGCGCGCTGTTCCGGGAGCGCCGCGCGTGGTGGTGTTCGTGCGGCATTTCTGTGTAC
 ATCTGCAAGGAATACGTAGAGGATCTGGCCAAATCCCCAGGAGTTTCTTACAAGAAGCAAATGTCACC
 CTTATAGTGATTGACAGTCATCTACCATCATATTGAGCCTTTTGAAGCTGACTGGATATTCTCAT
 GAAATCTATGTGATCCTGAGAGAGAAATTTATAAAGATTGGGAATGAAAGAGGTGAAGAAATGCT
 TCCTCAGGACAGAGCCCCACATAAAATCAAATCTACTCTCAGGAAGCCTTCAGAGCCTGTGGCGGCA
 GTGACTGGCCCTCTCTTTGATTTTCAAGGAGACCCAGCTCAGCAAGGTGGAACCCCTATTTAGGTCCA
 GGTAACAACATCCATTTTATACACCGCGATAGGAATAGGTTGGATCACAAACCTATCAACTCTGTTTTA
 CAGCTTGTAGGAGTTCAGCATGTGAACTTTACAAACAGACCTTCAGTTATCCATGTG**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_153698
Insert Size:	681 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).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_153698.1
RefSeq Size:	1242 bp
RefSeq ORF:	681 bp
Locus ID:	195827
UniProt ID:	Q7RTV5
Cytogenetics:	9q22.33
MW:	24.9 kDa
Gene Summary:	May regulate positively ERK1/2 signaling and AKT1 activation leading to HIF1A up-regulation with an increased expression of glycolysis genes and enhanced glycolysis.[UniProtKB/Swiss-Prot Function]