

Product datasheet for **RG216471**

ALLC (NM_018436) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ALLC
Synonyms:	ALC
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG216471 representing NM_018436
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCTGATGCTCCGAAGGAGGGAAGACTGACCCGGTTTCTGGACTTCACCCAGCTGATGGACATGGCAT
CTGAATCCGTAGGAGGAAAAATTTTATTTGCAACAGATGACTTTTTGCTCCTGCAGAAAACCTCATAAA
GAGTGACAGCCCGTGCTTCAAGAGCATGAATATACGGAGTTTGGGAAATGGATGGATGGCTGGGAGACC
AGGAGGAAAAAGGATTCAGGTCACGACTGGTGTCTCAGGCTGGGGATCCAAGGAGTCATCCGGGGCT
TCGACGTGGACGTTTCTTACTTCACGGGAGATTACGCTCCTCGAGTGTCCATTCAAGCAGCAAACTTGGGA
AGAAGATAAACTACCAGAAATCCCAGAAAGAGGAATCAGGACAGGAGCTGCAGCCACTCCTGAGGAGTTT
GAAGCCATTGCTGAGCTAAAATCCGACGACTGGAGTTACTTGGTTCCCATGACTGAGCTTAAGCCAGGAA
ACCCTGCTTCCGGCCACAATATTTCTTGTCATTTCCAGCAGAGATGGACTCATATCAGACTCAACAT
TTTCCAGATGGTGAATTGCACGACTTAGAGTATTCGGTACTGGACAAAAAGACTGGACTGCAACTGAC
CCCAAGAAGCTGCAGACCTAGTGGCCATCGCTTTTGGGGGTGTCTGTGTAGGATTTAGTAATGCTAAGT
TTGGGCACCCAAACAATATAATAGGAGTTGGCGGGGCAAGTCTATGGCGGATGGTTGGGAACTGCAAG
AAGGCTGGACCGGCCACCAATATTAGAAAATGATGAGAATGGCATTCTCTTGGTTCCGGGTGTGAATGG
GCAGTTTCCGATTGGCACATCCTGGAGTAATAACTCGAATTGAAATTGACACAAAATATTTTGAAGGCA
ATGCTCCTGACAGCTGTAAGTGGATGGGTGCATCCTGACAACTCAGGAAGAAGCCGTGATCAGGCAAAA
GTGGATTCTCCCGGCCACAAGTGGAAACCACTGCTTCCAGTGACCAAGTTGTCTCCAACCAAGTCAT
CTGTTTCGATAGCCTGACCCTAGAGTCCAAGATGTCATCACTACGCCAGGCTCACCATCGTCCCGGACG
GGGGAGTGAGCCGCTTCGGCTCCGGGGCTTCCCAGCTCCATCTGCCTCCTGAGGCCCGGGAGAAGCC
CATGTTGAAGTTCTCGGTGAGCTTCAAAGCAAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



Protein Sequence: >RG216471 representing NM_018436
Red=Cloning site Green=Tags(s)

MADAPKEGRLTRFLDFTQLMDASESVGGKILFATDDFFAPAENLIKSDSPCFKEHEYTEFGKWMGDWET
RRKRIPGHWDWCVLRRLGIQGVIRGFDVDVSFTGDYAPRVSIIQAANLEEDKLPEIPERGIRTGAAATPEEF
EAIAELKSDWSYLVPMTELKPGNPASGHNYFLVNSQQRWTHIRLNIIPDGGIARLRFVGTGQKDWATD
PKPADLVIAFGGVCVGFSAKFGHPNNIIGVGGAKSMADGWETARRLDRPPILENDENGILLVPGCEW
AVFRLAHPGVITRIEIDTKYFEGNAPDSCKVDGCILTTQEEAVIRQKWILPAHKWKPLLPTKLSPNQSH
LFDSLTLLELQDVITHARLTIVPDGGVSRRLRLRGFPSSICLLRPREKPMKFVSFKANP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018436

ORF Size: 1227 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018436.2](#), [NP_060906.2](#)

RefSeq Size: 1443 bp

RefSeq ORF: 1176 bp

Locus ID: 55821

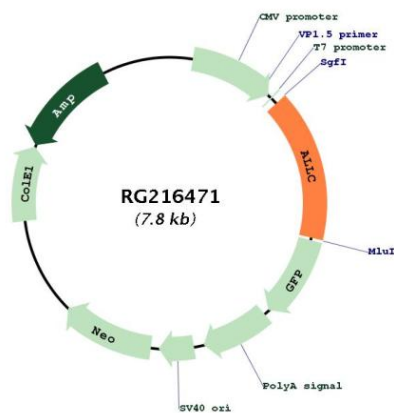
UniProt ID: [Q8N6M5](#)

Cytogenetics: 2p25.3

Protein Pathways: Metabolic pathways, Purine metabolism

Gene Summary: Allantoicase (EC 3.5.3.4) participates in the uric acid degradation pathway. Its enzymatic activity, like that of urate oxidase (MIM 191540), was lost during vertebrate evolution.[supplied by OMIM, Nov 2008]

Product images:



Circular map for RG216471