

Product datasheet for RC229136

Aly (ALYREF) (NM_005782) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aly (ALYREF) (NM_005782) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALYREF
Synonyms:	ALY; ALY/REF; BEF; REF; THOC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229136 representing NM_005782 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGATTCGCGCCCGCCATGGCCGACAAAATGGACATGTCTCTGGACGACATCATTAACTGAACC
GGAGCCAGCGAGGCGGCCGGGGCGGGGCGGGGCCGGGCGCGGCCGGGCGGCTCCAGGGCGGCCGCGCGG
TGGGGCGCAGGCCCGCGCGAGTGAATCGAGGCGGGGCCATCCGGAACCGGCCGCCATCGCCCGC
GGCGGGCGGGCGGAGGGCGCAGGAACCGACCGCGCCCTACAGCAGGCCAAAACAATTCCCGACAAGT
GGCAGCACGATCTTTTCGACAGTGGCTTCGGCGGTGGTGGCGGCTGGAGACAGGTGGGAACTGCTGGT
GTCCAATCTGGATTTTGGAGTCTCAGACGCCGATATTCAGGAACCTTTGCTGAATTTGGAACGCTGAAG
AAGCGGCTGTGCACTATGATCGCTCTGGTTCGAGCTTAGGAACAGCAGAGCTGCACTTTGAGCGGAAGG
CAGATGCCCTGAAGGCCATGAAGCAGTACAACGGCGTCCCTCTGGATGGCCGCCCATGAACATTAGCT
TGTACAGTACAGATTGACGCACAGCGGAGGCTGCACAGAGCGTAAACAGAGGTGGCATGACTAGAAAAC
CGTGGCGCTGGAGTTTGGTGGTGGTGGAGGCACCCGGAGAGGCACCCGCGGAGGCGCCCGTGGAAAGAG
GCAGAGGTGCCGCGAGGAATCAAAGCAGCAGCTTTCGGCAGAGGAGCTGGATGCCAGCTGGACGCCTA
TAATGCGAGAATGGACACCACT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229136 representing NM_005782
 Red=Cloning site Green=Tags(s)

MPDSAPAMADKMDMSLDDIIKLNRSQRGGRRGRGRGRAGSQQGRRGGGAQAAARVNRGGPIRNRPAIAR
 GAAGGGGRNRPA PYSRPKQLPDKWQHDLFDSGFGGGAGVETGGKLLVSNLDFGVSDADIQELFAEFGTLK
 KAAVHYDRSGRSLGTADVHFERKADALKAMKQYNGVPLDGRPMNIQLVTSQIDAQRPAQSVNRGGMTRN
 RGAGGFGGGGTRRGTRGGARGRGRGAGRNSKQQLSAEELDAQLDAYNARMDTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

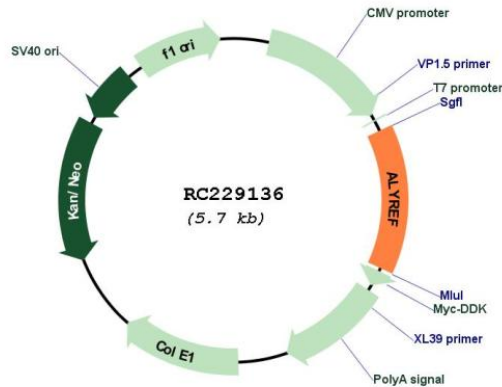
Chromatograms: https://cdn.origene.com/chromatograms/mk8075_d08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_005782

ORF Size: 792 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:	<ol style="list-style-type: none"> 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_005782.4
RefSeq Size:	1113 bp
RefSeq ORF:	795 bp
Locus ID:	10189
UniProt ID:	Q86V81
Cytogenetics:	17q25.3
Protein Pathways:	Spliceosome
MW:	27.6 kDa
Gene Summary:	The protein encoded by this gene is a heat stable, nuclear protein and functions as a molecular chaperone. It is thought to regulate dimerization, DNA binding, and transcriptional activity of basic region-leucine zipper (bZIP) proteins. [provided by RefSeq, Jul 2008]