

Product datasheet for **SC327771**

Aly (ALYREF) (NM_005782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aly (ALYREF) (NM_005782) Human Untagged Clone
Tag:	Tag Free
Symbol:	Aly
Synonyms:	ALY; ALY/REF; BEF; REF; THOC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327771 representing NM_005782. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGATTCCGCGCCCGCCATGGCCGACAAAATGGACATGTCTCTGGACGACATCATTAAACTGAAC
CGGAGCCAGCGAGGCGCCGGGGCGGGGCGGGGCCGGGCGCGCCGGGCGGCTCCCAGGGCGGCCGCGG
GGTGGGGCGCAGGCCCGCGCGAGTGAATCGAGGCGGGGCCCATCCGGAACCGCGGCCATCGCC
CGCGGCGCGGCCGGGAGGCGGCAGGAACCGACCGGCCCTACAGCAGGCCAAAACAATTCCCAGC
AAGTGGCAGCACGATCTTTTCGACAGTGGCTTCGGCGGTGGTCCCGCGTGGAGACAGGTGGAAACTG
CTGGTGTCCAATCTGGATTTTGGAGTCTCAGACCGGATATTCAGGAACCTTTGCTGAATTTGGAACG
CTGAAGAAGGCGGCTGTGCACTATGATCGCTCTGGTCGACGTTAGGAACAGCAGACGTGCACTTTGAG
CGGAAGGCAGATGCCCTGAAGGCCATGAAGCAGTACAACGGCGTCCCTCTGGATGGCCGCCCATGAAC
ATTCAGCTTGTACGTCACAGATTGACGCACAGCGGAGGCTGCACAGAGCGTAAACAGAGGTGGCATG
ACTAGAAAACCGTGGCGCTGGAGTTTGGTGGTGGTGGAGGCACCCGGAGAGGCACCCGCGGAGGCGCC
CGTGGAAGAGGCAGAGGTGCCGGCAGGAATCAAAGCAGCAGCTTTCGGCAGAGGAGCTGGATGCCACG
CTGGACGCCTATAATGCGAGAATGGACACCAGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_005782
Insert Size:	795 bp



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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).
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:	<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:	<u>NM_005782.3</u>
RefSeq Size:	1113 bp
RefSeq ORF:	795 bp
Locus ID:	10189
UniProt ID:	<u>Q86V81</u>
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]