

Product datasheet for **SC125907**

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: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005782 edited
GAGCCGATGCCCGATTCCGCGCCCGCCATGGCCGACAAAATGGACATGTCTCTGGACGAC
ATCATTAACCGAACCGGAGCCAGCGAGGCGCCGGGGCGGGGCGGGGCGGGCCGCGCCGG
GCCGGCTCCCAGGGCGGCGCGCGGTGGGGCGCAGGCCGCCGCGAGTGAATCGAGGC
GGCGGGCCATCCGGAACCGCCGGCCATCGCCCGCGGCGCGCCGGCGGAGGCGGCAGG
AACCGACCGCGCCCTACAGCAGGCCAAAACAACCTCCCGACAAGTGGCAGCACGATCTT
TTCGACAGTGGCTTCGGCGGTGGTCCCGCGTGGAGACAGGTGGGAACTGCTGGTGTC
AATCTGGATTTTGGAGTCTCAGACGCCGATATTCAGGAACTCTTGTGAATTTGGAACG
CTGAAGAAGGCGGCTGTGCACTATGATCGCTCTGGTCGACGCTTAGGAACAGCAGACGTG
CACTTTGAGCGGAAGGCAGATGCCCTGAAGGCCATGAAGCAGTACAACGGCGTCCCTCTG
GATGGCCGCCCATGAACATTCAGCTTGTACGTCACAGATTGACGCACAGCGGAGGCCT
GCACAGAGCGTAAACAGAGGTGGCATGACTAGAAACCGTGGCGCTGGAGTTTTGGTGGT
GGTGGAGGCACCCGGAGAGGCACCCGCGGAGGCGCCCGTGGAAAGAGGCAGAGGTGCCGGC
AGGAATCAAAGCAGCAGCTTTCCGAGAGGAGCTGGATGCCAGCTGGACGCCTATAAT
GCGAGAAATGGACACCACTTAAACAGACCAGCAAATCCGCGTGCAGAACAGGACCCAGGCG
TCTCCTTTGCTCCCTGGTTGGGGGGCGGTGGCTGGGGCTGTGCGGCCAATGATGGATTT
GTTTCTTTTATGTTTTAAATAGGATTTAAAAACTCATGTAAGGTTTTTTTTTTTCTTT
TTTTTTTTTAATTCTGAAACAGACCTGTTTTGTACCGAGTTATTTTTGGGATAAATTTT
ACTGGTTGCTGTTGTGGAGAAGGTGGCGTTTCCACCTTTCCATAATAAAATAGAATGT
GTGTAIAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005782 unedited GGGTTTCAGGATATTTGTNAATACGCACTTCACTATAGGGCGGCCGGAATTCGCACGAG GGAGCCGATGCCCGATTCCGCGCCCGCCATGGGCCGACAAAATGGACATGTCTCTGGACG ACATCATTAAACTGAACCGGAGCCAGCGAGGCGGCCGGGGCGGGGGCCGGGGCCGCGGCC GGGCCGGCTCCCAGGGCGGCCGCGGCGGTGGGGCGCAGGCCGCGCGAGTGAATCGAG GCGGCGGGCCCATCCGGAACCGGCCGCCATCGCCCGCGCGCGGCCGGCGGAGGCGGCA GGAACCGACCCGGCCCTACAGCAGGCCAAAACAACCTCCCGACAAGTGGCAGCACGATC TTTTCGACAGTGGCTTCGGCGGTGGTCCGGCGTGGAGACAGGTGGGAAACTGCTGGTGT CCAATCTGGATTTTGGAGTCTCAGACGCCGATATTCAGGAACTCTTTGCTGAATTTGGAA CGCTGAAGAAGCGGCTGTGCACTATGATCGCTCTGGTCGACGCTTAAGAACAGCAGACG TGCACTTTGAGCGGAAGGCAGATGCCCTGAAGGCCATGAAGCAGTACAACGGCGTCCCTC TGGATGGCCGCCCATGAACATTCAGCTTGTACGTACAGATTGACGCACAGCGGAGGC CTGCACAGAGCGTAAACAGAGGTGGCATGACTAGAAACCGTGGCGCTGGAGGTTTTGGTG GTGGTGGAGGCACCCGGAGAGGCACCCGCGNAGGCGCCCGTGGAAAGAGGCAGATGTGCCG GCAGGAATTCAAAGCAGCAACTTTCGGCAGAGGAGCTGGATGCCAGCTGGACGCCATAA TGGCAGGATGACACCATTTAACAGACCAGCAAATCCGCGTGCGAACAGGCCACGCGTCT TCTTCTGTTCTGTTGGTGTGGGGGGGNGTGGGGCTGGAGGACAAGGAGGGAGTTA
Restriction Sites:	Please inquire
ACCN:	NM_005782
Insert Size:	1100 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005782.3.
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_005782.2</u> , <u>NP_005773.2</u>
RefSeq Size:	1113 bp
RefSeq ORF:	774 bp
Locus ID:	10189
UniProt ID:	<u>Q86V81</u>
Cytogenetics:	17q25.3

Protein Pathways: Spliceosome

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]