

Product datasheet for **SC107974**

ARMER (ARL6IP1) (NM_015161) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMER (ARL6IP1) (NM_015161) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARMER
Synonyms:	AIP1; ARL6IP; ARMER; SPG61
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_015161 edited ATGGCGGAGGGAGATAATCGCAGCACCAACCTGCTGGCTGCAGAGACTGCAAGTCTGGAA GAACAGCTGCAAGGATGGGGAGAAGTGATGCTGATGGCTGATAAAGTCCCTCCGATGGGAA AGAGCCTGGTTTCCACCTGCCATCATGGGTGTGGTTTCTTTGGTGTTCGATTATCTAC TATCTAGATCCATCTGTTCTGTCCGGCGTTTCTGTTTTGTTATGTTTTGTGCTTGGCT GACTACCTTGTCCATTCTAGCGCCTAGAATTTTGGCTCCAATAAATGGACCACTGAA CAACAGCAAAGATTCCATGAAATTTGCAGCAATCTAGTAAAACTCGACGCAGAGCTGTG GGTTGGTGAAACGCCTTTCACACTAAAGGAAGAAAAACCTAAGATGTACTTCATGACC ATGATCGTTTCCCTTGCTGCGGTTGCTTGGGTGGGACAACAAGTCCACAACCTGCTTCTC ACCTACCTGATAGTACTTCTTACTATTGCTTCTGGACTAAACCAACATGGAATCATT TTGAAGTACATTGGAATGGCCAAGAGGGAGATAAACAACTTCTCAAACAAAAAGAAAAG AAAAACGAATGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015161 unedited
 GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTTTCGGTTGGAGGACTC
 GTTGGGGAGGTGGCTGCGCTTGTAGAGACTGCATCCCCGAGACGATGGCGGAGGGAGAT
 AATCGCAGCACCACCTGCTGGCTGCAGAGACTGCAAGTCTGGAAGAACAGCTGCAAGGA
 TGGGGAGAAGTGATGCTGATGGCTGATAAAGTCTCCGATGGGAAAGAGCCTGGTTTCCA
 CCTGCCATCATGGGTGTGGTTTCTTTGGTGTCTGATTATCTACTATCTAGATCCATCT
 GTTCTGTCCGGCGTTTCTGTTTTGTTATGTTTTTGTGCTTGGCTGACTACCTTGTTCCT
 ATTCTAGCGCCTAGAATTTTTGGCTCCAATAAATGGACCACTGAACAACAGCAAAGATTC
 CATGAAATTTGCAGCAATCTAGTAAAACTCGACGCAGAGCTGTGGGTTGGTGGAAACGC
 CTCTTCACACTAAAGGAAGAAAAACCTAAGATGTACTTCATGACCATGATCGTTTCCCTT
 GCTGCGGTTGCTTGGGTGGGACAACAAGTCCACAACCTGCTTCTCACCTACCTGATAGTG
 ACTTCCTTACTATTGCTTCTGGACTAAACCAACATGGAATCATTTTGAAGTACATTGGA
 ATGGCCAAGAGGGAGATAAAACAACTTCTCAAACAAAAAGAAAAGAAAAACGAATGATTC
 ATCTGCTTTAATCAGTGTGATTAATGCAGCACCATTGCCCCGGAACCGTNTCTGCTGT
 ACTATCTGGATACTAAAAATGTACGGAAGTAGCTCTTTGNTCTCCCTCACTCTGCCCTTA
 GTAATAGAAATCAAACCTCGCCAAGTAGGGCTCGTGCATAGTGTCTCATGTCGCGTATAGT
 TGAGCGCGTCTTAAGCAGTGGCTCATGGGACACTCATTAGTGTTCCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015161 unedited
 NGGTCTACTATGNNACCGCGGCCGCAANCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTA
 AAATTCAGCTTTTTTTATTTTTCCCCTTTTACACAAAACAAAGTAGAAAGAAATAATA
 CAGGATTAACAACTGCAAAAGTAGTTAATCAGTAGAATATGTATGCACACAAAAATCCAG
 ATAGGAAGACAGGCTTATTTACAATGAAAGTAAGGTAATAAATTAACGTAGTTTTCTTATGA
 AATAATAAAAAAAATCAAACATATGCTACAATGGGCACCACTGTTACAGCAATATTAA
 AGAGGAGAAAAACAACTTATTTAATAGGGACAGATATACCACAAGGTACAACATCAGTG
 CAATAAATTCACAAAACCTATATTACAGCTAGTTAATCAGTTAAGAATTGTTCCCGTCAG
 TCACATTTTTTGGCCCTCAGAAGTTCATTCCTAAAGATTTCAACTACTCTAAATTTCTAG
 CTACCAAGAAGTTAAGAATGATTATAAGAAGCTTTCCAAGGAGTTATGAAATCTTTGTAG
 ACCAGAGGCCAACTATCATCACCTCAAGTCTGCTCTACCAACAGCCCTGTATTTTTCA
 GGGAGAAATCTCTAGGAAAAAAGTCAGACACCAGTGTAGTCACTATCTCCCATGTCAAAC
 CTAGGGGACTAAAATGGTCAGTATTACCATAAAATGATAATTTTTGAGGTTTACCTTAAAA
 GGCTTATTCTGGTCTCAAAAATTAGATAAGATTATCTTCTACTGAAATGAATATTGACTA
 AACATAGAAGACTGCTGTCTTTTGCCAGTCTTAGAGTGAAGTCATAGACATGAGTCTT
 AACCTACTGTATACTATAGCTAATGTCAGCTGAAAATCTGAAATAAAAGCATGCTAGAAA
 TCCTAAATGCATCTTTTGGAAAGTCTGCTTTA

Restriction Sites:

NotI-NotI

ACCN:

NM_015161

Insert Size:

2300 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).

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_015161.1](#), [NP_055976.1](#)

RefSeq Size: 2280 bp

RefSeq ORF: 612 bp

Locus ID: 23204

UniProt ID: [Q15041](#)

Cytogenetics: 16p12.3

Protein Families: Transmembrane

Gene Summary: This gene belongs to the ARL6ip family and encodes a transmembrane protein that is predominantly localized to intracytoplasmic membranes. It is highly expressed in early myeloid progenitor cells and thought to be involved in protein transport, membrane trafficking, or cell signaling during hematopoietic maturation. Mutations in this gene are associated with spastic paraplegia 61 (SPG61). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2015]
Transcript Variant: This variant (1) encodes the longer isoform (1).