

Product datasheet for **SC105964**

ARMER (ARL6IP1) (BC010281) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMER (ARL6IP1) (BC010281) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARL6IP1
Synonyms:	AIP1; ARL6IP; ARMER; SPG61
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for BC010281, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGGGAGATAATCGCAGCACCAACCTGCTGGCTGCAGAGACTGCAAGTCTGGAAGAACAGCTGC
AAGGATGGGGAGAAGTGATGCTGATGGCTGATAAAGTCCTCCGATGGGAAAGAGCCTGGTTTCCACCTGC
CATCATGGGTGTGGTTTCTTTGGTGTCTTCTGATTATCTACTATCTAGATCCATCTGTTCTGTCCGGCGTT
TCCTGTTTTGTTATGTTTTGTGCTTGGCTGACTACCTTGTTCCATTCTAGCGCCTAGAATTTTTGGCT
CCAATAAATGGACCACTGAACAACAGCAAAGATCCATGAAATTTGCAGCAATCTAGTAAAACTCGACG
CAGAGCTGTGGTTGGTGGAAACGCCTTTCACACTAAAGGAAGAAAAACCTAAGATGTACTTCATGACC
ATGATCGTTTCCCTTGCTGCGGTTGCTTGGGTGGGACAACAAGTCCACAACCTGCTTCTCACCTACCTGA
TAGTGACTTCTTACTATTGCTTCTGGACTAAACCAACATGGAATCATTTTGAAGTACATTGGAATGGC
CAAGAGGGAGATAAACAACTTCTCAAACAAAAAGAAAAGAAAAACGAATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC010281 unedited TCGGCACCAGGTTCCCTCGGGTTGTGGTTGGTGTGCGGGTTTCGGTTGGAGGACTCGTTG GGGAGGTGGCCTGCGCTTGTAGAGACTGCATCCCCGAGACGATGGCGGAGGGAGATAATC GCAGACCAACCTGCTGGCTGCAGAGACTGCAAGTCTGGAAGAACAGCTGCAAGGATGGG GAGAAGTGATGCTGATGGCTGATAAAGTCTCCGATGGGAAAGAGCCTGGTTCCACCTG CCATCATGGGTGTGGTTTCTTTGGTGTCTGATTATCTACTATCTAGATCCATCTGTTT TGTCGGCGGTTTCCTGTTTTGTTATGTTTTTGTGCTTGGCTGACTACCTGTTCCCATTC TAGCGCCTAGAATTTTTGGCTCCAATAAATGGACCACTGAACAACAGCAAAGATTCCATG AAATTTGCAGCAATCTAGTAAAACTCGACGCAGAGCTGTGGTTGGTGGAAACGCCTCT TCACACTAAAGGAAGAAAAACCNTAGATGTACTTCATGACCATGATCGTTTCCCTTGCTG CGGTTGCTTGGTGGGACAACAAGTCCACAACCTGCTTCTCACCTACCTGATAGNGACTT CCTTACTATTGCTTCTGGACTAAACCACATGGAATCATTNTGAAGTACATTGGAATGGC CAGAGGGGAGATAACAACTTTTCTCAACAAAAGAAAACGAATGATTCATCTGCT TTAATCAGTGTGATTAATGCAGCACCCATTGCCCGGGAACCGGTTCTGCTGTACTATCT GGATA
Restriction Sites:	NotI-NotI
ACCN:	BC010281
Insert Size:	700 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:	<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:	BC010281.1 , AAH10281.1
RefSeq Size:	2280 bp
RefSeq ORF:	2280 bp
Locus ID:	23204
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]