

## Product datasheet for **SC107020**

### ARMCX6 (NM\_019007) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | ARMCX6 (NM_019007) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | ARMCX6  |
| Synonyms:                 | GASP10  |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL5</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_019007, the custom clone sequence may differ by one or more nucleotides |

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ATGGGCCGGGCTCGGGAAGTGGGTTGGATGGCGGCAGGACTGATGATTGGGGCTGGTGCCTGCTACTGCG  
TTTACAAACTGACCATAGGAAGAGATGACAGTGAGAAGCTGGAGGAGGAGGGGAAGAGGAGTGGGACGA  
TGACCAGGAGCTGGATGAGGAGGAGCCTGATATTTGGTTTGATTTGAAACTATGGCTCGGCCCTGGACT  
GAGGATGGGGATTGGACTGAACCTGGGGCCCCAGGTGGCACTGAGGACAGGCCCTCAGGGGGAGGCAAGG  
CCAACCGAGCACACCCAATAAAACAGCGGCCATTCCCCTATGAACATAAAAATACTTGGAGTGCTCAAAA  
TTGTA AAAATGGCAGTTGTGTTCTGGACCTCTCCAAGTGTCTTTTCATT CAGGAAA AACTGTTGTTGCC  
GAGCCCAAGGATCGGGCTTTCCATTTAGCCAGGATATCAATAGCCATTTGCCAGCCTCTCAATGGCTA  
GAAACACGAGCCCCACTCCAGACCCCACTGTTAGAGAGGCTTTGTGTGCCCCGGATAACTTAAATGCGAG  
TATTGAAAGTCAGGGCCAGATTAAGATGTACATCAATGAAGTGTGTCTGGGAGACTGTGTCACGTTGCTGC  
AACTCATTTCTGCAGCAGGCCGGATTAATTTGTTAATAAGCATGACAGTTATTAATAACATGCTTGCCA  
AGTCCGCTTCAGACTTGAAGTTTCCTTTGATATCAGAGGGAAGTGGATGTGCTAAGGTT CAGGTTTTGAA  
ACCGCTGATGGGTTTGTCTGAAAAGCCAGTCTTGGCGGGGAGTTAGTCGGTGCCAGATGCTCTTCTCA  
TTCATGTCCCTCTTTATCAGAAATGAAACAGAGAGATTCTCTGGAAACCCCTGCCCATAA
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|                                     |  |
|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | >OriGene 5' read for NM_019007 unedited<br>TTCTATAGGGCGGCCGCGACTTCGGCACGAGGGCTAGTCGCTCTGTCTGGGTACAGCC<br>CCCTATTACTCTGCAGGCGTGTGAAGAAAGAAGGAAACTAGTCGGACCGTGCAGGTTTG<br>TAGGTCTGTTGGCCTGTAGGTTTCGGCACAAAGTTTCAGCGAGAGAAGGAGAAAAGTGCCT<br>TGGTTGGAACCTTGCAGGTCAGTGTGAAGGTGGGATTAGCCCAGGACCATGGGTGGGGT<br>GGCGGAGGAGGGGGCTGGGATATGAGAAGGCCANNCCNANTCNNTCTTCTGGCCCC<br>TTCTTTCTCCACACCCACTCTTATTTCACTGCTTGGTAAGGGGTGCGGCGCCCTTTGTTG<br>GGCAAATGGTTCCAACCCGCGCCGCTCGATGTTTGTCCCCCTACTCTCCCCACCCT<br>CACAACCGTCCCTCGTCTTGTGCGTTTTCTTTTTCCCCAATTTATTCGCCCCCTGCCCC<br>CCCCCCCCCTTTTTCTTTCCCTCACCCCGTTGCCCCCTTCCCGCCCTTGTCCCTCT<br>TCTCCCGTTTTTCCCCCTCTCCCCCGTTCCCCCCCCCGCCACCCCTCTCTGTT<br>TCCGCTCTTTCTTTTTTTGGAGCCCTCCCCCCCCCTTTTTTCCCTCTGCTCG<br>GCGCCCTTCCCTGTCTTCTCTAAATCCCCTCACATATTTCCCCCTTCTCTCTC<br>TTTTTCTCCCTTTCCCTCTCGCCCCCGTCTCCCGTCTTTTTTTTTTTTCCCC<br>CCCCCCCCCTCTTTCTCCCGTTTTGTTTTTTTTTCTTCTCCACCCGTTCCCC<br>CCCCCTCTTTTTTTTTTCCGACTCTCGCTTTTATGAGGCTCAACCCACGACCT<br>CTTATATGTTTGGCGCACCCGGAGTCCGCCCGGCGACGTTGCTGACTTTCTCGCT<br>TCCCACTGTAGTCTTTATCTTCCACGCCCTCCCGCCG |
| <b>Restriction Sites:</b>           | NotI-NotI  |
| <b>ACCN:</b>                        | NM_019007  |
| <b>Insert Size:</b>                 | 2500 bp  |
| <b>OTI Disclaimer:</b>              | 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).   |
| <b>Components:</b>                  | 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).   |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>  |
| <b>RefSeq:</b>                      | <a href="#">NM_019007.3</a> , <a href="#">NP_061880.2</a>  |
| <b>RefSeq Size:</b>                 | 1865 bp  |
| <b>RefSeq ORF:</b>                  | 903 bp   |
| <b>Locus ID:</b>                    | 54470  |
| <b>UniProt ID:</b>                  | <a href="#">Q7L4S7</a>   |
| <b>Cytogenetics:</b>                | Xq22.1   |
| <b>Protein Families:</b>            | Transmembrane  |

**Gene Summary:**

May regulate the dynamics and distribution of mitochondria in neural cells.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1, 2, and 3 all encode the same protein.