

Product datasheet for **SC321329**

SWAP70 (NM_015055) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SWAP70 (NM_015055) Human Untagged Clone
Tag:	Tag Free
Symbol:	SWAP70
Synonyms:	HSPC321; SWAP-70
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015055.2
 CCGAGGTTGAGGGCGTCCGAGGCGCGGAGGGGCTGGCTGGGCGAGGAGGGGTTGGCGGGG
 CAGCAGGGCCGCGGCCATGGGGAGCTTGAAGGAGGAGCTGCTCAAAGCCATCTGGCACGC
 CTTACCCGCACTCGACCAGGACCACAGCGGCAAGGTCTCCAAGTCCCAGCTCAAGTCTCT
 TTCCCATAACCTGTGCACGGTGTGAAGTTCTCATGACCCAGTTGCCCTTGAAGAGCA
 GTTCAGGGATGATGATGAGGGTCCAGTGTCCAACCAGGGCTACATGCCTATTAAACAG
 GTTCATTTTGAAAAGGTTCAAGACAACCTTTGACAAGATTGAATCAATAGGATGTGTG
 GACCCCTGTGTCAAAAAAACCTCACAAAGAATCCCCTGCTATTACAGAAGAAGATGC
 ATTTAAAATATGGGTTATTTTCAACTTTTTATCTGAGGACAAGTATCCATTAATTATTGT
 GTCAGAAGAGATTGAATACCTGCTTAAGAAGCTTACAGAAGCTATGGGAGGAGGTTGGCA
 GCAAGAACAATTTGAACATTATAAAATCAACTTTGATGACAGTAAAAATGGCCTTTCTGC
 ATGGGAACTTATTGAGCTTATTGAAATGGACAGTTTAGCAAAGGCATGGACCGGCAGAC
 TGTGTCTATGGCAATTAATGAAGTCTTAAATGAACCTTATATTAGATGTGTAAAGCAGGG
 TTACATGATGAAAAGGGCCACAGACGGAAAACTGGACTGAAAGATGGTTTGTACTAAA
 ACCCAACATAATTTCTTACTATGTGAGTGAGGATCTGAAGGATAAGAAAGGAGACATTCT
 CTTGGATGAAAATTGCTGTGTAGAGTCTTGCCTGACAAAAGATGGAAAGAATGCCTTTT
 TCTCGTAAAAATGTTTGTATAAGACTTTTGAAATCAGTGCTTCAGATAAGAAAGAAGAAACA
 GGAGTGGATTCAAGCCATTACTTACTATTCTGTTGAAGCTGGGCAGCCCTCCACC
 ACACAAAGAAGCCCGCCAGCGTCGGAAAGAACTCCGGAAGAAGCAGCTGGCTGAACAAGA
 GGAAGTGGAGCGCAAAATGAAGGAACTCCAGGCCGCAACGAAAGCAAGCAGCAGGAGCT
 GGAGGCCGTGCGGAAGAACTGGAGGAAGCAGCATCTCGTGCAGCAGAAGAGGAAAAGAA
 ACGCCTTCAGACTCAAGTGAACCTCAGGCCAGGTTTCCAGCACAGAGCTGGAAAGAGAGAA
 GCTTATCAGACAGCAGATGGAAGAAGAGTTGCTCAAAAGTCTCTGAACTGGAACAGTA
 TTTACAGCGAGTACGGGAGCTGGAAGACATGTACCTAAAGCTGCAGGAGGCTCTTGAAGA
 TGAGAGACAGGCCCGGCAAGATGAAGAGACAGTGCGGAAGCTTCAGGCCAGGTTGTTGGA
 GGAAGAGTCTTCAAGAGGGCTGAACTAGAAAAGTGGCACTTGGAGCAGCAGCAGGCCAT
 TCAGACAACCGAGGCGGAGAAGCAGGAGTTGGAGAATCAGCGTGTCTGAAGGAACAGGC
 CCTGCAGGAGGCCATGGAGCAGCTGGAGCAGCTTGAAGTGAACGGAAGCAAGCACTTGA
 GCAGTACGAGGAAGTTAAAAAGAAGCTGGAGATGGCAACTAATAAGACCAAGAGCTGGAA
 GGACAAAGTGGCCATCATGAAGGATTAATTCGACTGATAGAACCAGGTTCAAAGAACC
 TCACCTGATCACTAACTGGGACCTGCAGCTTTACTGAGGCAGAACTTGAAGAGAGAGA
 GAAGAAGTGGAAAGAGAAAAAGACCACGGAGTACTGAGCTTTCTGGCAGTCACGTCAGT
 TATGTAGATACTGCATGGCAGGAGAGCTTTACGCTAAAGACAAAAGAAACAGCTTTGGGG
 GCCGGGCGTGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGTGGAT
 CACCTGAGGTCAGGAGTTCAAGAGCAGCCTGGCCGACCTGGTGAACCTGTCTCTACTA
 AAAATACAAAAAAATTTGGCTGAGCGTGGTGGCGGGCGCCTGTGATCCCAGCTACTTGGG
 AGGCTGAGGCAGGAGAATCACTTGAACGTGGGAGGCGGAGGTTGCAGCGAGCTGAGATCA
 TGCCGTTGTACTCCAGCTTGGCAACAGAGTGAGACTCCATCTCAAAAACAAAACAAAAAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_015055

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_015055.2</u> , <u>NP_055870.2</u>
RefSeq Size:	4848 bp
RefSeq ORF:	1758 bp
Locus ID:	23075
UniProt ID:	<u>Q9UH65</u>
Cytogenetics:	11p15.4
Gene Summary:	<p>Phosphatidylinositol 3,4,5-trisphosphate-dependent guanine nucleotide exchange factor (GEF) which, independently of RAS, transduces signals from tyrosine kinase receptors to RAC. It also mediates signaling of membrane ruffling. Regulates the actin cytoskeleton as an effector or adapter protein in response to agonist stimulated phosphatidylinositol (3,4)-bisphosphate production and cell protrusion (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>