

## Product datasheet for **SC104758**

### ZNF289 (ARFGAP2) (NM\_032389) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF289 (ARFGAP2) (NM_032389) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARFGAP2
Synonyms:	IRZ; NBLA10535; ZFP289; ZNF289
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032389, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGAGCCGAACAAGACCGAAATCCAGACTCTTTTTAAGAGGCTTCGCGCAGTTCCAACCAACA
AGGCTGTTTTCGACTGCGGCGCCAAGAATCCGAGTTGGGCCAGCATCACGTACGGTGTTTTCTGTGCAT
TGACTGTTCCGGGTGCACCGCTCCCTGGGCGTCCATCTGAGCTTCATCAGGTCCACAGAGTTGGATTCC
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AACATGGATGCACAGCCAATGATGCCAACACCAATATAATAGCCGAGCTGCCAGATGTACCGGAGAA
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GCCGTTCTAATCACTCCCCAGAGAAGAAGGACTCTGATTTCTTACAGAACACACTCAACCCCTGCCCT
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TCCATCATTGGCAAGAAGAAGCCAGCAGCAGCTAAGAAAGGGCTGGGTGCCAAGAAGGCCATAGGGGCC
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TGAGCAGGAAAACCCAGTGAGTGCAAAATCCTCTCGCTCGCAGCTGGACTTGTGTTGACGATGTTGTTACT
TTCGCTCTGGACCCCAAGTACAAGGACAATCCCTTTTCTTAGGGGAAAGCTTTGGCTCCCGCTGGG
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GCCTATTTAGAAAGAGCCACAAACCGGAGGGAAGTGGAGAGCCGGAGCTCAGGCCTCGAGTCTAGTGAG
GCGCGTCAGAAATTCGACAGGACCAAGCCATCTCATCTGACATGTTCTTTGGGCGGAGGTGGATGCGG
AGTATGAGGCCAGGTCTCGGCTGCAGCAGCTCTCAGGCAGCAGTCCATCAGCTCTCAGACCTCTTTGG
GGACATGGATGGAGCTCACGGAGCAGGAAGTGTATCTCTGGGAAAGTGTGCTACAGCGGACATTGCC
CAGTTTAAAGCAGGTGTCAAGTCTGTGGCTGGGAAAATGGCTGTGCTGGCCAATGGTGTGATGAATTCCT
TGCAGGATCGCTACGGTTCCTACTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_032389 unedited</p> <pre>TTTGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAAGGAGAGAAATGGC GGCGGAGCCGAACAAGACCGAAATCCAGACTCTTTTTAAGAGGCTTCGCGCAGTTCCAAC CAACAAGGCTGTTTTGACTGCGCGCCCAAGAATCCGAGTTGGGCCAGCATCACGTACGG TGTTTTCTGTGCATTGACTGTTCCGGGTGCACCGCTCCCTGGGCGTCCATCTGAGCTT CATCAGGTCACAGAGTTGGATTCCAATGGAATGGTTCCAGCTGAGGTGTATGCAGGT CGGCGGGAATGCCAATGCGACGGCTTTTTTTTCGCCAACATGGATGCACAGCCAATGATGC CAACACCAAAATATAATAGCCGAGCTGCCAGATGTACCGGAGAAGATCCGGCAGCTGGG GAGTGCGGCCCTGGCTAGGCATGGCACTGATCTTTGGATAGACAACATGAGTAGTGCCGT TCCTAATCACTCCCCAGAGAAGAAGACTCTGATTTCTTACAGAACACACTCAACCCCC TGCCTGGGATGCGCCAGCCACTGAGCCTTCAGGGACCCAGCAGCCAGCCCCGTCTACAGA GAGCAGTGGCCTGGCACAGCCGGAGCATGGCCCCAACACAGACCTGCTTGGCACCTCACC CAAAGCCTCACTGGAGTCCGTGTATCTGTCAGCTAAAGGGGCCCTTCTGCCAGAGAACT GAAAAGCTCCATCATTGGCAAGAAGAAGCCAGCAGCAGCTAAGAAAGGGTGGGTGCCAA AANAGGGCTAGGGCCCCAAAAGTGAGCAGCCAGAGCTTCAGTGAGATTGAGCGGACGT CAGGTGCAAAAAGCCTCCTGAGCNNCAGCACCGATGCCAAGAGCAGCG</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_032389 unedited</p> <pre>CTTGACC CGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCACTCAAACCAAC AGGGANAGCCAGGCCCTGCNAGGGTTTTATTTTACACCACTTTGTTTCAATACAAACA GTCCAGAAAGAAAGTCAAGTCCCTCTGGGGGAGGGGCAAGGGGAAGAGTGGTCTGTGTTG CTTGGGAGCCCAACTACAACCCAAAGTGGGGCTGGGCTGAACTGCCGGTGCAGCAG GGGAAGATGGCACCAAGAATGACAGTGTGGCTCAGCTGCCAGAGGGTGAGGCCACAG CTCTCACTGGCGGTGCTGTCCAGGCCAAGCCCAGAATGATGCAGAGGAAGGAGCTCAGC CCCAGGAGCCTGCCTCTGCCTCTCACATCTCTGCTTCCCTGGCCAGCATCAAGCTCACA GCATCCAGAGTGAATCAGCAGACAAGACCCTCCATGGCCACCAACCCGGGGAAGAAG GGATAAAGAATGTACAGAGGGTCTGCATTCCACAGCAGATGGTACAGAGGGACCTGA GACACCCTGAAACAATCTTCCAAGTGCTTACTGTAAAAAGGGTGGTGAGACGGGAGAAC CCAAGGTCTCCGGTCTGATACCAAATGAAACCTTTAGGTACCAGGTAAAGTTTCCAGCC CTTGGTAACGCCAGACAAGGTCCTTCCCCTCTCCTGGCACCCAGAAGAGGCCACTGGCAG CAGCAGCAGCAGCAAGTCCGAGCCTCTTCCCATGGACGGGTCTACAGTGAATCCTT CCANNGCTCCCCTGNTTCCAGAGATGGGGAACCAAGCCCTCAACTAAGAACCCTANA GCANCANANAAGCTTCTACTTNCGCTTTCCTACCTGGGAAAGNCTGNACCANAATAGCCA TCTGGGGACCCCTTCCATATGCCAGAAATGACACCACTGTGGGGCAGACAAAGACAN</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_032389
<b>Insert Size:</b>	2930 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).

**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\\_032389.3](#), [NP\\_115765.2](#)

**RefSeq Size:** 3039 bp

**RefSeq ORF:** 3039 bp

**Locus ID:** 84364

**UniProt ID:** [Q8N6H7](#)

**Cytogenetics:** 11p11.2

**Domains:** ArfGap

**Protein Pathways:** Endocytosis

**Gene Summary:** GTPase-activating protein (GAP) for ADP ribosylation factor 1 (ARF1). Implicated in coatomer-mediated protein transport between the Golgi complex and the endoplasmic reticulum. Hydrolysis of ARF1-bound GTP may lead to dissociation of coatomer from Golgi-derived membranes to allow fusion with target membranes.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).