

Product datasheet for **SC331890**

ZNF289 (ARFGAP2) (NM_001242832) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZNF289 (ARFGAP2) (NM_001242832) Human Untagged Clone
Tag: Tag Free
Symbol: ZNF289
Synonyms: IRZ; NBLA10535; ZFP289; ZNF289
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331890 representing NM_001242832.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGGCGGAGCCGAACAAGACCGAAATCCAGACTCTTTTTAAGAGGCTTCGCGCAGTTCCAACCAAC
AAGGCCTGTTTCGACTGCGGCGCAAGAATCCGAGTTGGGCCAGCATCACGTACGGTGTTCCTGTGC
ATTGACTGTTCCGGGTGCACCGCTCCCTGGGCGTCCATCTGAGCTTCATCAGGTCCACAGAGTTGGAT
TCCAACCTGGAAGTGGTCCAGCTGAGGTGTATGCAGGTCGGCGGGAATGCCAATGCGACGGCTTTTTT
CGCCAACATGGATGCACAGCCAATGATGCCAACACCAAAATATAATAGCCGAGCTGCCAGATGTACCGG
GAGAAGATCCGGCAGCTGGGAGTGCAGCCCTGGCTAGGCATGGCACTGATCCCCCTGCCTGGGATGCG
CCAGCCACTGAGCCTTCAGGGACCCAGCAGCCAGCCCCGTCTACAGAGAGCAGTGGCCTGGCACAGCCG
GAGCATGGCCCCAACACAGACCTGCTTGGCACCTCACCCAAAGCCTCACTGGAAGTAAAAGCTCCATC
ATTGGCAAGAAGAAGCCAGCAGCAGCTAAGAAAGGGCTGGGTGCCAAGAAGGCCAGGGGCCAGAAAG
GTGAGCAGCCAGAGCTTCAGTGAGATTGAGCGGCAGGCTCAGGTGGCAGAGAAGCTCCGTGAGCAGCAG
GCAGCCGATGCCAAGAAGCAGGCGGAGGAGTCCATGGTCGCTCCATGCGTCTGGCCTACCAGGAGCTC
CAGATTGATCGTAAGAAAGAGGAAAAGAAGCTACAGAATCTGGAAGGGAAGAAGCGAGAGCAGGCAGAA
AGGTTGGGCATGGGCTTGGTATCCCGAAGCTCTGTCTCCCACTCCGTGCTGTCTGAGATGCAGGTGATT
GAGCAGGAAACCCAGTGAGTGCAAAATCCTCTCGCTCGCAGCTGGACTGTTTGACGATGTTGGTACT
TTCGCTCTGGACCCCCAAAGTACAAGGACAATCCCTTTTCTTAGGGGAAGCTTTGGCTCCCGCTGG
GATACAGATGCTGCCTGGGTATGGACAGGTTAGAGGAGAAGGAGCCAGAAGTGACCATCTCAAGCATC
CGGCTATTTAGAAAGAGCCACAAACCGAGGGAAGTGGAGAGCCGGAGCTCAGGCCTCGAGTCTAGT
GAGGCGCGTCAGAAATTCGAGGAGCCAAAGCCATCTCATCTGACATGTTCTTTGGGCGGAGGTGGAT
GCGGAGTATGAGGCCAGGTCTCGGCTGCAGCAGCTCTCAGGCAGCAGTGCATCAGCTCTTCAGACCTC
TTTGGGACATGGATGGAGCTCACGGAGCAGGAAGTGTATCTCTGGGAACGTGCTGCCTACAGCGGAC
ATTGCCAGTTAAGCAGGTTCAAGTCTGTGGCTGGGAAAATGGCTGTGCTGGCCAATGGTGTGATG
AATTCCTTGCAGGATCGTACGGTTCCTACTGA
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001242832
Insert Size: 1482 bp



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| 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: | NM_001242832.1 |
| RefSeq Size: | 2955 bp |
| RefSeq ORF: | 1482 bp |
| Locus ID: | 84364 |
| UniProt ID: | Q8N6H7 |
| Cytogenetics: | 11p11.2 |
| Protein Pathways: | Endocytosis |
| MW: | 53.5 kDa |
| 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 (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1. |