

## Product datasheet for SC332271

### Girdin (CCDC88A) (NM\_001254943) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Girdin (CCDC88A) (NM_001254943) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCDC88A
Synonyms:	APE; GIRDIN; GIV; GRDN; HkRP1; KIAA1212; PEHO; PEHOL
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332271 representing NM_001254943. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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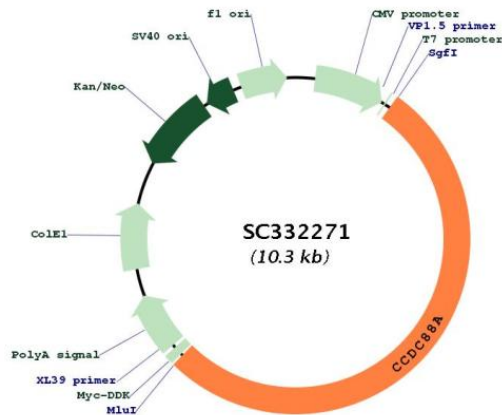


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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001254943

Insert Size: 5391 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:**

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\\_001254943.1](#)

RefSeq Size: 9605 bp

RefSeq ORF: 5391 bp

Locus ID: 55704

UniProt ID: [Q3V6T2](#)

Cytogenetics: 2p16.1

MW: 207.8 kDa

**Gene Summary:**

This gene encodes a member of the Girdin family of coiled-coil domain containing proteins. The encoded protein is an actin-binding protein that is activated by the serine/threonine kinase Akt and plays a role in cytoskeleton remodeling and cell migration. The encoded protein also enhances Akt signaling by mediating phosphoinositide 3-kinase (PI3K)-dependent activation of Akt by growth factor receptor tyrosine kinases and G protein-coupled receptors. Increased expression of this gene and phosphorylation of the encoded protein may play a role in cancer metastasis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (3) uses an alternate splice site in the 3' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (3) is shorter than 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.