

Product datasheet for MR231974

Pcnt (NM_001282992) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcnt (NM_001282992) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcnt
Synonyms:	AW476095; C86676; KEN; kendrin; m239Asp; m275Asp; Pcnt2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR231974 representing NM_001282992 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>MR231974 representing NM_001282992

Red=Cloning site Green=Tags(s)

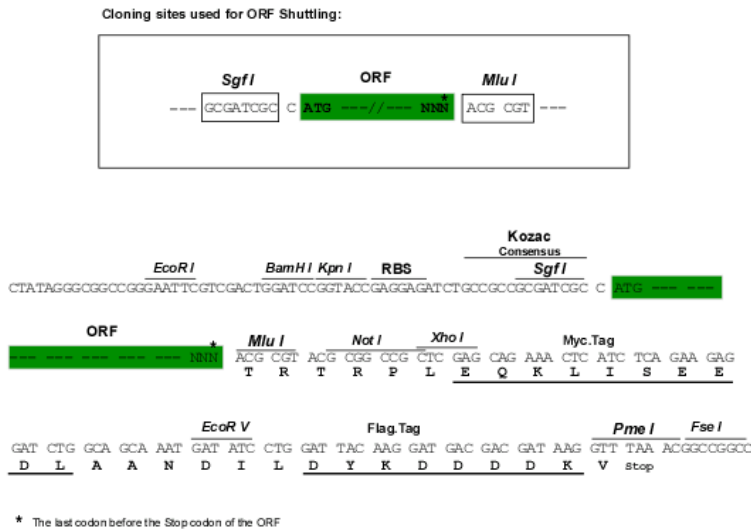
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Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001282992

ORF Size: 8694 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001282992.1](#), [NP_001269921.1](#)

RefSeq Size: 9476 bp

RefSeq ORF: 8697 bp

Locus ID: 18541

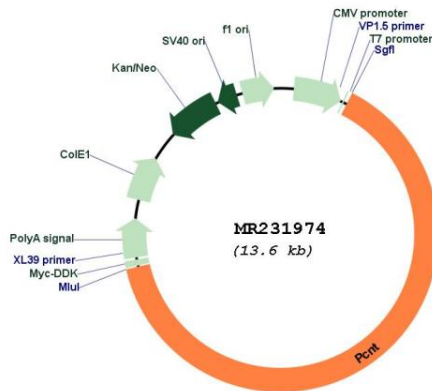
UniProt ID: [P48725](#)

Cytogenetics: 10 C1

MW: 329.9 kDa

Gene Summary: Integral component of the filamentous matrix of the centrosome involved in the initial establishment of organized microtubule arrays in both mitosis and meiosis. Plays a role, together with DISC1, in the microtubule network formation. Is an integral component of the pericentriolar material (PCM). May play an important role in preventing premature centrosome splitting during interphase by inhibiting NEK2 kinase activity at the centrosome. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231974