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Product datasheet for SC334176

PINX1 (NM_001284356) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PINX1 (NM_001284356) Human Untagged Clone
Tag:	Tag Free
Symbol:	PINX1
Synonyms:	Gno1; LPTL; LPTS; Pxr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	SgfI-MluI
ACCN:	NM_001284356
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_001284356.1, NP_001271285.1
RefSeq Size:	1493 bp
RefSeq ORF:	525 bp
Locus ID:	54984

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UniProt ID: Q96BK5

Cytogenetics: 8p23.1

Gene Summary: Microtubule-binding protein essential for faithful chromosome segregation. Mediates TRF1 and TERT accumulation in nucleolus and enhances TRF1 binding to telomeres. Inhibits telomerase activity. May inhibit cell proliferation and act as tumor suppressor. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an exon in the 3' coding region which results in a frameshift compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus compared to 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.