

Product datasheet for **RC210522L4V**

hCAP D3 (NCAPD3) (NM_015261) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	hCAP D3 (NCAPD3) (NM_015261) Human Tagged ORF Clone Lentiviral Particle
Symbol:	hCAP D3
Synonyms:	CAP-D3; CAPD3; hCAP-D3; hcp-6; hHCP-6; MCPH22
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_015261
ORF Size:	4494 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210522).
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.
RefSeq:	NM_015261.2
RefSeq Size:	5661 bp
RefSeq ORF:	4497 bp
Locus ID:	23310
UniProt ID:	P42695
Cytogenetics:	11q25
MW:	168.9 kDa


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Gene Summary:

Condensin complexes I and II play essential roles in mitotic chromosome assembly and segregation. Both condensins contain 2 invariant structural maintenance of chromosome (SMC) subunits, SMC2 (MIM 605576) and SMC4 (MIM 605575), but they contain different sets of non-SMC subunits. NCAPD3 is 1 of 3 non-SMC subunits that define condensin II (Ono et al., 2003 [PubMed 14532007]).[supplied by OMIM, Mar 2008]