

Product datasheet for **RC214325L4V**

CDC25A (NM_201567) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CDC25A (NM_201567) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CDC25A |
| Synonyms: | CDC25A2 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_201567 |
| ORF Size: | 1452 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC214325). |
| 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_201567.1 |
| RefSeq Size: | 3597 bp |
| RefSeq ORF: | 1455 bp |
| Locus ID: | 993 |
| UniProt ID: | P30304 |
| Cytogenetics: | 3p21.31 |
| Protein Families: | Druggable Genome, Phosphatase |
| Protein Pathways: | Cell cycle, Progesterone-mediated oocyte maturation |



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MW: 54.4 kDa

Gene Summary: CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not been demonstrated. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]