

## OriGene Technologies, Inc.

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## Product datasheet for RC223146L2V

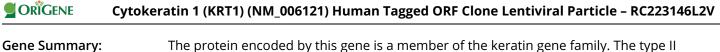
## Cytokeratin 1 (KRT1) (NM\_006121) Human Tagged ORF Clone Lentiviral Particle

## **Product data:**

| Product Type:                | Lentiviral Particles  |
|------------------------------|---|
| Product Name:                | Cytokeratin 1 (KRT1) (NM_006121) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                      | Cytokeratin 1   |
| Synonyms:                    | CK1; EHK; EHK1; EPPK; K1; KRT1A; NEPPK  |
| Mammalian Cell<br>Selection: | None  |
| Vector:                      | pLenti-C-mGFP (PS100071)  |
| Tag:                         | mGFP  |
| ACCN:                        | NM_006121   |
| ORF Size:                    | 1932 bp   |
| ORF Nucleotide<br>Sequence:  | The ORF insert of this clone is exactly the same as(RC223146).  |
| 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. <u>More info</u> |
| 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:                      | <u>NM 006121.2, NP 006112.2</u>   |
| RefSeq Size:                 | 2507 bp   |
| RefSeq ORF:                  | 1935 bp   |
| Locus ID:                    | 3848  |
| UniProt ID:                  | <u>P04264</u>   |
| Cytogenetics:                | 12q13.13  |
| Protein Families:            | Druggable Genome  |
| MW:                          | 65.9 kDa  |



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The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008]

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