

Product datasheet for **RC201190L1V**

CTAG2 (NM_020994) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | CTAG2 (NM_020994) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | CTAG2 |
| Synonyms: | CAMEL; CT2; CT6.2; CT6.2a; CT6.2b; ESO2; LAGE-1; LAGE2B |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| Tag: | Myc-DDK |
| ACCN: | NM_020994 |
| ORF Size: | 630 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC201190). |
| 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_020994.3 |
| RefSeq Size: | 1002 bp |
| RefSeq ORF: | 633 bp |
| Locus ID: | 30848 |
| UniProt ID: | O75638 |
| Cytogenetics: | Xq28 |
| MW: | 21.1 kDa |



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Gene Summary:

This gene encodes an autoimmunogenic tumor antigen that belongs to the ESO/LAGE family of cancer-testis antigens. This protein is expressed in a wide array of cancers including melanoma, breast cancer, bladder cancer and prostate cancer. This protein is also expressed in normal testis tissue. An alternative open reading frame product of this gene has been described in PMID:10399963. This alternate protein, termed CAMEL, is a tumor antigen that is recognized by melanoma-specific cytotoxic T-lymphocytes. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]