

## Product datasheet for **RC220206L4V**

### CD8B (NM\_172102) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CD8B (NM_172102) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | CD8B   |
| Synonyms:                 | CD8B1; LEU2; LY3; LYT3; P37  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_172102  |
| ORF Size:                 | 639 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC220206).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_172102.3</a>  |
| RefSeq Size:              | 981 bp   |
| RefSeq ORF:               | 642 bp   |
| Locus ID:                 | 926  |
| UniProt ID:               | <a href="#">P10966</a>   |
| Cytogenetics:             | 2p11.2   |
| Protein Families:         | Druggable Genome, Secreted Protein, Transmembrane  |



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|                          |   |
|--------------------------|---|
| <b>Protein Pathways:</b> | Antigen processing and presentation, Cell adhesion molecules (CAMs), Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway  |
| <b>MW:</b>               | 24.3 kDa  |
| <b>Gene Summary:</b>     | <p>The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 beta chain isoforms. Multiple alternatively spliced transcript variants encoding distinct membrane associated or secreted isoforms have been described. A pseudogene, also located on chromosome 2, has been identified. [provided by RefSeq, May 2010]</p> |