

## Product datasheet for **RC223677L3V**

### EMR2 (ADGRE2) (NM\_152918) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | EMR2 (ADGRE2) (NM_152918) Human Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                               |
| Symbol:                   | EMR2                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms:                 | CD312; EMR2; VBU                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tag:                      | Myc-DDK                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACCN:                     | NM_152918                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORF Size:                 | 2043 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC223677).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_152918.1</a> , <a href="#">NP_690882.1</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:              | 6345 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 2045 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:                 | 30817                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cytogenetics:             | 19p13.12                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Families:         | Druggable Genome, GPCR, Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                              |
| MW:                       | 74.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                           |



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**Gene Summary:**

This gene encodes a member of the class B seven-span transmembrane (TM7) subfamily of G-protein coupled receptors. These proteins are characterized by an extended extracellular region with a variable number of N-terminal epidermal growth factor-like domains coupled to a TM7 domain via a mucin-like spacer domain. The encoded protein is expressed mainly in myeloid cells where it promotes cell-cell adhesion through interaction with chondroitin sulfate chains. This gene is situated in a cluster of related genes on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]