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# Product datasheet for RC227939L3V

## TMEM2 (CEMIP2) (NM_001135820) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | TMEM2 (CEMIP2) (NM_001135820) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | CEMIP2 |
| **Synonyms:** | TMEM2 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_001135820 |
| **ORF Size:** | 3960 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC227939). |
| **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_001135820.1 |
| **RefSeq ORF:** | 3963 bp |
| **Locus ID:** | 23670 |
| **UniProt ID:** | Q9UHN6 |
| **Cytogenetics:** | 9q21.13 |
| **Protein Families:** | Transmembrane |
| **MW:** | 147.3 kDa |

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**Gene Summary:** This gene encodes a type II transmembrane protein that belongs to the interferon-induced transmembrane (IFITM) protein superfamily. The encoded protein functions as a cell surface hyaluronidase that cleaves extracellular high molecular weight hyaluronan into intermediate size fragments before internalization and degradation in the lysosome. It also has an interferon-mediated antiviral function in humans through activation of the JAK STAT signaling pathway. The activation of this gene by transcription factor SOX4 in breast cancer cells has been shown to mediate the pathological effects of SOX4 on cancer progression. Naturally occurring mutations in this gene are associated with autosomal recessive non-syndromic hearing loss. [provided by RefSeq, Mar 2017]