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# Product datasheet for SC122735

## LAGE3 (NM_006014) Human Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | LAGE3 (NM_006014) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | LAGE3 |
| **Synonyms:** | CVG5; DXS9879E; DXS9951E; ESO3; GAMOS2; ITBA2; Pcc1 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**Fully Sequenced ORF:**

>OriGene sequence for NM_006014 edited
GGCGACCACGGTGTCTTCAAAAGCCCCGTCAGGGTTGGCTTCCTGGGGCCGGACCGACTG
TGGGTCAGTTTGCACCAGCGCTCTGGAATCGAGTTACGCGCGAAAGGGCAGAGTTTCTGG
AGGAAACCGCAGCCTCTCAACCGCTGACCGGGTCTCAGAAGGCCCCCGGCAGGGCCGCTT
GGCGGGAACTGACCACGCGCCAGTCAGGCTCTCCAGGGACCTGCGCAGGCGCGTGTGGGC
GGAGTCGTGCGCAGGGGGCGGGGCTTCGGGAAGGAGCCACAGAGAGGGCGGGGCGTAGGA
CCTGCGCTTCGGGGGTGGAGTCGGAGCGGCGCGGCGGCGGTCATGCGGGACGCGGATGCA
GACGCAGGCGGAGGCGCTGACGGCGGGGATGGCCGGGGTGGCCACAGCTGCCGCGGGGGC
GTGGACACAGCCGCAGCTCCGGCCGGTGGAGCTCCCCCAGCGCACGCGCCAGGTCCGGGC
AGAGACGCCGCGTCTGCGGCCAGGGGGTCACGAATGCGGCCGCACATATTCACCCTCAGC
GTGCCTTTCCCGACCCCCTTGGAGGCGGAAATCGCCCATGGGTCCCTGGCACCAGATGCC
GAGCCCCACCAAAGGGTGGTTGGGAAGGATCTCACAGTGAGTGGCAGGATCCTGGTCGTC
CGCTGGAAAGCTGAAGACTGTCGCCTGCTCCGAATTTCCGTCATCAACTTTCTTGACCAG
CTTTCCCTGGTGGTGCGGACCATGCAGCGCTTTGGGCCCCCCGTTTCCCGCTAAGCCTGG
CCTGGGCAAATGGAGCGAGGTCCCACTTTGCGTCTCCTTGTAGGCAGTGCGTCCATCCTT
CCCTAGGGCAGGAATTCCCACAGTTGCTACTTTCCTGGGAGGGCCTCATGTTTTATCTGG
TTCTTAAATGTTTGTTACTACAGAAAATAAAACTGCGCTACTAAAAAAAAAAAAAAAAAA
A



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**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_006014 unedited
NAATGTCGTAATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACNGGGGCGACC
ACGGTGTCTTCAAAACCCGTCGGGTTGGCTTCCTGGGGCCGGACCGACTGTGGGTCAGTT
TGCACCAGCGCTCTGGAATCGAGTTACGCGCGAAAGGGCAGAGTTTCTGGAGGAAACCGC
AGCCTCTCAACCGCTGACCGGGTCTCAGAAGGCCCCCGGCAGGGCCGCTTGGCGGGAACT
GACCACGCGCCAGTCAGGCTCTCCAGGGACCTGCGCAGGCGCGTGTGGGCGGAGTCGTGC
GCAGGGGGCGGGGCTTCGGGAAGGAGCCACAGAGAGGGCGGGGCGTATGACCTGCGCTTC
GGGGGTGGAGTCGGAGCGGCGCGGCGGCGGTCATGCGGGACGCGGATGCAGACGCAGGCG
GAGGCGCTGACGGCGGGGATGGCCGGGGTGGCCACAGCTGCCGCGGGGGCGTGGACACAG
CCGCAGCTCCGGCCGGTGGAGCTCCCCCAGCGCACGCGCCAGGTCCGGGCAGAGACGCCG
CGTCTGCGGCCAGGGGGTCACGAATGCGGCCGCACATATTCACCCTCAGCGTGCCTTTCC
CGACCCCCTTGGAGGCGGAAATCGCCCATGGGTCCCTGGCACCAGATGCCGAGCCCCACC
AAAGGGTGGTTGGGAAGGATCTCACAGTGAGTGGCAGGATCCTGGTCGTCCGCTGGAAAG
CTGAAGACTGTCGCCTGCTCCGAATTTCCGTCATCAACTTTCTTGACCAGCTTTCCCTGG
TGGTGCGGACCATGCAGCGCTTTGGGCCCNCCGTTTCCCGCTAAGCCTGGCCTGGGCAAA
TGGAGCGAGGTCCACTTTGCGTCTCTTGTNAGCAGTGCGTCCATCCTTCCCTAGGGCAGG
AA
```

**Restriction Sites:** Please inquire

**ACCN:** NM_006014

**Insert Size:** 961 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** NM_006014.2, NP_006005.2

**RefSeq Size:** 961 bp

**RefSeq ORF:** 432 bp

**Locus ID:** 8270

**UniProt ID:** Q14657

**Cytogenetics:** Xq28

**Gene Summary:** This gene belongs to the ESO/LAGE gene family, members of which are clustered together on chromosome Xq28, and have similar exon-intron structures. Unlike the other family members which are normally expressed only in testis and activated in a wide range of human tumors, this gene is ubiquitously expressed in somatic tissues. The latter, combined with the finding that it is highly conserved in mouse and rat, suggests that the encoded protein is functionally important. An intronless pseudogene with high sequence similarity to this gene is located on chromosome 9. [provided by RefSeq, Jul 2008]