

## Product datasheet for **SC324152**

### ESAM (NM\_138961) Human Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | ESAM (NM_138961) Human Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | ESAM                                  |
| Synonyms:                 | W117m                                 |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | pCMV6-AC (PS100020)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                |



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**Fully Sequenced ORF:** >OriGene sequence for NM\_138961.1  
 GAGGGCCATGATTTCCCTCCCGGGGCCCTGGTGACCAACTTGCTGCGGTTTTTGTTCCT  
 GGGGCTGAGTGCCTCGCGCCCCCTCGCGGGCCAGCTGCAACTGCACTTGCCCGCAA  
 CCGGTTGAGGCGGTGGAGGGAGGGGAAGTGGTGTCCAGCGTGGTACACCTTGACGG  
 GGAGGTGTCTTCATCCCAGCCATGGGAGGTGCCCTTTGTGATGTGGTTCTTCAAACAGAA  
 AGAAAAGGAGGATCAGGTGTTGCTCTACATCAATGGGGTCACAACAAGCAAACCTGGAGT  
 ATCCTTGGTCTACTCCATGCCCTCCCGAACCTGTCCCTGCGGCTGGAGGGTCTCCAGGA  
 GAAAGACTCTGGCCCTACAGCTGCTCCGTGAATGTGCAAGACAAACAAGGCAAATCTAG  
 GGGCCACAGCATCAAACCTTAGAACTCAATGTAAGTGGTTCCTCCAGCTCCTCCATCCTG  
 CCGTCTCCAGGTGTGCCCATGTGGGGCAAACGTGACCCTGAGCTGCCAGTCTCCAAG  
 GAGTAAGCCCGTGTCCAATACCAGTGGGATCGGCAGCTTCCATCCTTCCAGACTTTCTT  
 TGCACCAGCATTAGATGTCATCCGTGGTCTTTAAGCCTCACCAACCTTTCGTCTCCAT  
 GGCTGGAGTCTATGTCTGCAAGGCCACAATGAGGTGGGCACTGCCCAATGTAATGTGAC  
 GCTGGAAGTGAGCACAGGCGCTGGAGCTGCAGTGGTGTGGAGCTGTTGTGGGTACCT  
 GGTTGGACTGGGTTGCTGGCTGGGCTGGTCTTGTACCACCGCCGGGCAAGGCCCT  
 GGAGGAGCCAGCCAATGATATCAAGGAGGATGCCATTGCTCCCGGACCTGCCCCTGGCC  
 CAAGAGCTCAGACACAATCTCCAAGAATGGGACCTTTCTCTGTGACCTCCGCACGAGC  
 CCTCCGGCCACCCCATGGCCCTCCAGGCCTGGTGCATTGACCCACGCCAGTCTCTC  
 CAGCCAGGCCCTGCCCTACCAAGACTGCCACGACAGATGGGGCCACCCTCAACCAAT  
 ATCCCCATCCCTGGTGGGGTTTCTTCTCTGGCTTGAGCCGATGGGTGCTGTGCTGT  
 GATGGTGCCTGCCAGAGTCAAGCTGGCTCTCTGGTATGATGACCCACCACTATTGGC  
 TAAAGGATTTGGGTCTCTCTTCTATAAGGGTCACCTCTAGCACAGAGGCCTGAGTCA  
 TGGGAAAGAGTACACTCCTGACCCTTAGTACTGCCCCACCTCTTTACTGTGGGA  
 AAACCATCTCAGTAAGACCTAAGTGTCCAGGAGACAGAAGGAGAAGGGAAGTGGATCTG  
 GAATTGGGAGGAGCCTCCACCCACCCCTGACTCCTCTTATGAAGCCAGCTGCTGAAATT  
 AGCTACTACCAAGAGTGAGGGGACAGACTTCCAGTCACTGAGTCTCCAGGCCCCCTT  
 GATCTGTACCCACCCCTATCTAACACCACCCCTGGCTCCCACTCCAGCTCCCTGTATTG  
 ATATAACCTGTCAGGCTGGCTTGGTTAGGTTTTACTGGGGCAGAGGATAGGGAATCTCTT  
 ATTAATAACTAACATGAAATATGTGTTGTTTTATTGCAAATTTAAATAAAGATACATAA  
 TGTTTGTATGAGATAAGAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_138961

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

|                               |   |
|-------------------------------|---|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_138961.1</a> , <a href="#">NP_620411.1</a>   |
| <b>RefSeq Size:</b>           | 1838 bp   |
| <b>RefSeq ORF:</b>            | 1173 bp   |
| <b>Locus ID:</b>              | 90952   |
| <b>UniProt ID:</b>            | <a href="#">Q96AP7</a>  |
| <b>Cytogenetics:</b>          | 11q24.2   |
| <b>Domains:</b>               | ig, IGc2, IG  |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane   |
| <b>Protein Pathways:</b>      | Cell adhesion molecules (CAMs), Leukocyte transendothelial migration  |
| <b>Gene Summary:</b>          | Can mediate aggregation most likely through a homophilic molecular interaction.<br>[UniProtKB/Swiss-Prot Function]  |