

Product datasheet for **RN210315**

Esam (NM_001004245) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Esam (NM_001004245) Rat Untagged Clone
Tag: Tag Free
Symbol: Esam
Synonyms: MGC94065
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210315 representing NM_001004245
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTCTTCGGCCAGAACCCCGAGACCAGCTTACTGCGGGTTTTGTTCTGGGACTGAGTACCTTG
CTGCCTTCTCACTGGCTCAGATGGAGCTGCACGTGCCCTTGGCCTCAACAAATTGGAGGCGGTAGAGGG
GGAAGAAGTGGTCTCCCGCCTGGTACACGATGGCACGGGAGGAGTCTTCATCCACCCTGGGAGGCG
CCCTTCTGATTTGGTCTTGGAAACAAGAAGGGAAGGAACAAAGCAGGTCTGTCTATTTCAAGGGTT
CCCTGTCAAATAAACCTGGAGTAACCTGGTCCACTCCATCTCCACACGGAATGTGTCCCTGCGCCTGGA
TGCCCTCCAGGAGGGAGACTCTGGGACCTACCGCTGTTCTGTCAATGCGTACGACAGTGACGGCAAAAAT
ATAGGCCACAGCATCAAACGATAGAGCTCAAAGTGTGGTTCCTCCAGCTCCTCCATCCTGTAGTTTTTC
AGGGTGTACCCTATGTGGGGACCAATGTGACTCTGAAGTCAAGTCCCAAGGAGTAAACCTACTGCTCA
ATACCAGTGGGAGAGGCTGGCGCCATCCTCCAGGTCTTCTTTGGACCAGCCTTAGATACCGTCCGTGGA
TCTTTGAAGCTCACCAACATTTCCACTGCCATGTCTGGAGTCTATGTCTGCAAGGCCAAAACAGAGTGG
GCTTTGCCAGTGAATGTGACCTTGGACGTGATGACAGGTCGAAGGCTGCTGTGGTGGTGGAGCAGT
GGTGGGCACTTTTGTGGGTTGGTGTGATAGCTGGTCTGGTCTGGTGTGTACCAACGCCGAGCAAGACC
CTGGAAGAGCTGGCCAACGATATCAAGGAAGATGCCATTGCTCCCGGACCTTGCCTTGGACCAAAGGCT
CAGACACAATCTCCAAGAATGGGACACTTTCCTCAGTCACCTCAGCACGAGCTCTGCGGCCACCCAAAGC
TGCTCCTCCAAGACCTGGCACGTTTACTCCTACCCAGTGTCTCTAGCCAGGCCCTGTCTCACCAGCA
CTGCCTAGGACGGATGGGCCGCCACCTCAGGCAGTGTCCCTGACCCAGGTGGGGTTTCTTCTTCTACTC
TGAACCGCATGGGTGCCGTGCCGTGATGGTACCTGCACAGAGTCAGGCCGGTCTCTCGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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|-------------------------------|---|
| ACCN: | NM_001004245 |
| Insert Size: | 1185 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: | <ol style="list-style-type: none">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: | <u>NM_001004245.1</u> , <u>NP_001004245.1</u> |
| RefSeq Size: | 1837 bp |
| RefSeq ORF: | 1185 bp |
| Locus ID: | 300519 |
| UniProt ID: | <u>Q6AYD4</u> |
| Cytogenetics: | 8q21 |
| Gene Summary: | Can mediate aggregation most likely through a homophilic molecular interaction. [UniProtKB/Swiss-Prot Function] |