

Product datasheet for **SC303002**

NY-ESO-1 (CTAG1B) (NM_001327) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | NY-ESO-1 (CTAG1B) (NM_001327) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | NY-ESO-1 |
| Synonyms: | CT6.1; CTAG; CTAG1; ESO1; LAGE-2; LAGE2B; NY-ESO-1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene ORF sequence for NM_001327 edited
ATGCAGGCCGAAGGCCGGGGCACAGGGGTTTCGACGGGCGATGCTGATGGCCAGGAGGC
CCTGGCATTCTGATGGCCAGGGGCAATGCTGGCGGCCAGGAGAGGCGGGTCCACG
GGCGGCAGAGGTCCCGGGGCGCAGGGGCAAGGGCCTCGGGGCCGGAGAGGCGCC
CCGCGGGGTCCGCATGGCGGCGCGGCTTCAGGGCTGAATGGATGCTGCAGATGCGGGGCC
AGGGGGCCGAGAGCCGCTGCTTGAGTTCTACCTCGCCATGCCTTTCGCGACACCCATG
GAAGCAGAGCTGGCCCGCAGGAGCCTGGCCAGGATGCCACCGCTTCCCGTCCAGGG
GTGCTTCTGAAGGAGTTCACTGTGTCCGGCAACATACTGACTATCCGACTGACTGCTGCA
GACCACCGCCAACTGCAGCTCTCCATCAGCTCCTGTCTCCAGCAGCTTCCCTGTTGATG
TGGATCACGCAGTGCTTCTGCCGTGTTTTGGCTCAGCCTCCCTCAGGGCAGAGGCGC
TAA



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| | |
|-------------------------------------|---|
| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_001327 unedited GGCTAAAGCTGTACACGACCTCCCTACTAGGGCGGCCGCGATCATCACTGCAGGCCGAAG GCCGGGGCACAGGGGGTTCGACGGGCGATGCCTGATGGCCAGGAGGCCCTGGCATTCT GATGGCCAGGGGCAATGCTGGCGGCCAGGAGAGGGCGGTGCCACGGGCGCAGAGGT CCCCGGGGCGCAGGGGCAAGGGCTCGGGCCGGGAGGAGGCCGCCCGGGGGTCCG CATGGCGGCGGGCTTCAGGGCTGAATGGATGCTGCAGATCGGGGCCAGGGGGCCGGAG AGCCGCTGCTTGAGTTCTACCTCGCCATGCCTTTCGCGACACCCATGGAAGCAGAGCTG GCCCGCAGGAGCCTGGCCAGGATGCCCCACCGCTTCCCGTGCCAGGGGTGCTTCTGAAG GAGTTCACTGTGTCGGCAACATACTGACTATCCGACTGACTGCTGCAGACCACCGCAA CTGCAGCTCTCCATCAGCTCCTGTCTCCAGCAGCTTCCCTGTTGATGTGGATCACGCAG TGCTTTCTGCCGTGTTTTGGCTCAGCCTCCCTCAGGGCAGAGGCGCTAACTCGACTCT AGATTGCGGCCGCGTATAGCTGTTTCTGAACAGATCCCGGTGGCATCCCTGTGACC CCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTGTCC TAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAATATTATGGGT GGAGGGGTGGTATGGGAGCAAGGGCAAGTTTGGGAAGACAACCTGTAGGGCTCGGG TCTTATTGGGACCAAGCTGGAGTGCAGTGGCACAATCTGGCTCACTGCATCTCCGCCT CTGGGTTCAAGCATTCTCCTGCCTCAGCCCTCCGAGTTGTTGGGATTT |
| Restriction Sites: | Please inquire |
| ACCN: | NM_001327 |
| Insert Size: | 560 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). |
| OTI Annotation: | The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference. |
| 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_001327.1</u> , <u>NP_001318.1</u> |
| RefSeq Size: | 806 bp |
| RefSeq ORF: | 543 bp |
| Locus ID: | 1485 |
| UniProt ID: | <u>P78358</u> |
| Cytogenetics: | Xq28 |

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is an antigen that is overexpressed in many cancers but that is also expressed in normal testis. This gene is found in a duplicated region of the X-chromosome and therefore has a neighboring gene of identical sequence. [provided by RefSeq, Jan 2012]