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# Product datasheet for MC227548

## Zfp322a (NM_001286156) Mouse Untagged Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Zfp322a (NM_001286156) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Zfp322a |
| **Synonyms:** | Znf322; Znf322a |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

```
>MC227548 representing NM_001286156
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAAACCACTTAGGAGAGAACCATAGAAGATGTACACTTCAGAAGAGGAATGTAACCAGAGAACTCA
AAAAAGGAAAACATACCATGTATGCCCTCAAAAGGGTGAAAAAGATTTATATTCGTGTACATGAGATTAC
TCAAATAGATAATCAAACATATCAGTGCCTTGAACGTGAACAAAACTTTTGTGAAAACTTAGCACGAATG
TGTGAGAGAACATATACCGAGGAGAAACCTTATAGATGTGATATGTGTGAGAAAACCTTCATCCAAAGTT
CAGATCTTATTTCCCACCAGAGGATCCATAATTACGAGAAACCTTATAAGTGTAGCAAATGTGAGAAGAG
CTTTTGGCACCACTTAGCCCTTTCAGGACACCAGAGAACACATGCAGGTAAAAAGTTTTATACCTGTGAC
ATCTGTGGCAAGAATTTTGGTCAGAGCTCTGATCTGCTTGTCCACCAGCGAAGCCATACAGGTGAAAAAC
CTTATCTGTGTAATGAGTGTGATAAATGCTTCAGTCGAAGTACAAATCTCATAAGGCACCGAAGAACTCA
CACAGGTGAGAAACCGTTTAAGTGTCTGGAATGTGAAAAAGCTTTTAGTGGGAAATCAGATCTTATTAGC
CACCAAAGGACTCATACCGGTGAAAGGCCCTACAAATGCAATAAATGTGAGAAAAGTTACCGACACCGGT
CTGCCTTCATTGTGCATAAAAGAGTTCATACTGGGGAGAAGCCGTACAAGTGTGGTGCCTGTGAGAAGTG
CTTTGGCCAGAAATCAGACCTTATTGTACACCAGAGAGTCCATACAGGAGAGAAACCATATAAATGCTTG
GAGTGTATGAGAAGTTTTACTCGAAGTGCCAACCTAATTAGGCACCAGGCAACTCACACTCATACTTTCA
AATGCCTTGAATATGAGAAAAGTTTCAACTGTAGCTCAGACTTTATTGTACATCAGAGAATTCATATGGA
AGAAAAACCACATCAATGGTCTATGTGTGAGAGTGACTTCCTCCTAGGTATGGACTTCGTTGCCCAGCAG
AAAATGAGGGCTCAAACAGAGGAGCTCCATTATAAATACAGTGTATGTGATAAAACCTTTCATCATAGCT
CAGCCCTTCTTCAACATCAGACAGTGCACATTGATGATGAATACATCTGTAACATGAGTGAAAAAGGGCT
TGATCTAAGTTCTCACGCATCGGAAACCTCACGTGTGTCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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| | |
|---|---|
| **Restriction Sites:** | SgfI-MluI |
| **ACCN:** | NM_001286156 |
| **Insert Size:** | 1233 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:** | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001286156.1, NP_001273085.1 |
| **RefSeq Size:** | 5122 bp |
| **RefSeq ORF:** | 1233 bp |
| **Locus ID:** | 218100 |
| **UniProt ID:** | Q8BZ89 |
| **Cytogenetics:** | 13 A3.1 |
| **Gene Summary:** | Transcriptional activator. Important for maintenance of pluripotency in embryonic stem cells. Binds directly to the POU5F1 distal enhancer and the NANOG proximal promoter, and enhances expression of both genes. Can also bind to numerous other gene promoters and regulates expression of many other pluripotency factors, either directly or indirectly. Promotes inhibition of MAPK signaling during embryonic stem cell differentiation. [UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (4) differs in the 5' UTR, compared to variant 3. Variants 1-4 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. |

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