

## Product datasheet for **MC203268**

### Jagn1 (NM\_026365) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Jagn1 (NM\_026365) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Jagn1  
**Synonyms:** 5830427H10Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC037019  
 CCACGCGTCCGCGAGGTAGCAGGGAAGGGGTTCCGAGGGTCTTGCTGGGTGTGTGAGCAGAGGGTCGG  
 CGTTAGGGGCCTTAGTTCTGTACAATGGCGTCTCGGGCAGGCCCGAGCGGCCGACCGACGGCAGCG  
 ACTTTCAGCACCCGGGAGCGCGTCCCATGCACTACCAGATGAGTGTGACCCTCAAGTACGAAATCAAGAA  
 GCTGATCTACGTGCATCTCGTCATATGGCTGCTGTTGGTGGCCAAGATGAGCGTGGGACACCTGAGGCTC  
 TTGTCACATGATCAGGTGGCCATGCCCTATCAGTGGGAATATCCGTATTTGTTGAGCATTGTGCCCTCTG  
 TCTTGGGCTGCTCCTTCCCTCGGAACAACATTAGCTACCTGGTGCTCTCCATGATCAGCATGGGGCT  
 CTTCTCCATCGTCCCCTCATTTATGGCAGCATGGAGATGTTCCCTCGGCACAGCAACTCTACCGCCAT  
 GGCAAGGCCTATCGTTCCTGTTGGTTTTCTGCTGTCTCTGTCATGTACCTGGTGTGGTACTGGCAG  
 TCCAAGTTCATGCCTGGCAACTGTACTACAGCAAAAACTCTTAGACTCTTGGTTCACCAGCACACAGGA  
 GAAGAAACGGAATGAAGCCTGCTTGATAAACTGCTCTGAGGGGTAAAACCTAGGTCTCCCATTGAGCAG  
 CGTGAAGGGAGCTGTCCAGACTCTCCATCGATTGTGGCATCTGTGATGTTGGCACCTAGTGCACACTAGG  
 CTCAGATTTTGGCCTAGAGTTCTGTTACCATCTGCTGAGGTGGCAAAGCTGTTGTATTTAATTTATGCTT  
 GACTAGCTGCAGCTGGGTGACCAATGGCTGTGACACACTTTACCTGGTTGAACTTGAGGCCCTTTAGAGT  
 TTGGGTTTTCCAGACTGAGCCTTATCCTTGCCCTCTCTTGGCCGTAACCTCCTTCCATTGCTCACCTC  
 TTCACCACAGTACTAGAAGAAATATGGAATAAATCAGTACATGAAAGCAGACTTCAGTCTGTGGGTCAT  
 GGGCAAGCAACATTTGGGAAGTTGCTCCCTATGGGCTGTTCTGTTTACTGCAAACCATTTTAAATAAAA  
 AGAACCTCAATAAATAAAGTTAAGACTGAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_026365  
**Insert Size:** 552 bp



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|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | 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).   |
| <b>Components:</b>            | 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>                | <u><a href="#">BC037019</a></u> , <u><a href="#">AAH37019</a></u>  |
| <b>RefSeq Size:</b>           | 1163 bp  |
| <b>RefSeq ORF:</b>            | 552 bp   |
| <b>Locus ID:</b>              | 67767  |
| <b>UniProt ID:</b>            | <u><a href="#">Q5XKN4</a></u>  |
| <b>Cytogenetics:</b>          | 6 E3   |
| <b>Gene Summary:</b>          | Endoplasmic reticulum transmembrane protein involved in vesicle-mediated transport, which is required for neutrophil function. Required for vesicle-mediated transport; it is however unclear whether it is involved in early secretory pathway or intracellular protein transport. Acts as a regulator of neutrophil function, probably via its role in vesicle-mediated transport: required for defense against fungal pathogens and for granulocyte colony-stimulating factor (GM-CSF) signaling pathway; possibly by regulating glycosylation and/or targeting of proteins contributing to the viability and migration of neutrophils.[UniProtKB/Swiss-Prot Function]<br>Transcript Variant: This variant (1) encodes the longest isoform (1). |