

Product datasheet for **MC225793**

Jagn1 (NM_001205025) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Jagn1 (NM_001205025) Mouse Untagged Clone
Tag: Tag Free
Symbol: Jagn1
Synonyms: 5830427H10Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225793 representing NM_001205025
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCGTGGGACACCTGAGGCTCTTGTCACATGATCAGGTGGCCATGCCCTATCAGTGGGAATATCCGT
ATTTGTTGAGCATTGTGCCCTCTGTCTTGGCCCTGCTCTCCTCCCTCGGAACAACATTAGCTACCTGGT
GCTCTCCATGATCAGCATGGGGCTTTCTCCATCGCTCCCCTCATTTATGGCAGCATGGAGATGTTCCCT
CGGCACAGCAACTCTACCGCCATGGCAAGGCCTATCGCTTCTGTTTGGTTTTCTGCTGTCTCTGTCA
TGTACCTGGTGTGGTACTGGCAGTCCAAGTTCATGCCTGGCAACTGTACTACAGCAAAAACTCTTAGA
CTCTTGTTTACCAGCACACAGGAGAAGAAACGGAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001205025

Insert Size: 390 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.



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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_001205025.1, NP_001191954.1</u>
RefSeq Size:	1085 bp
RefSeq ORF:	390 bp
Locus ID:	67767
Cytogenetics:	6 E3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks an exon in the coding region and uses a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>