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Product datasheet for MC225499

Jagn1 (NM_001243739) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jagn1 (NM_001243739) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jagn1
Synonyms:	5830427H10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225499 representing NM_001243739 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGTCTCGGGCAGGCCCGCGAGCGGCCGGCACCGACGGCAGCGACTTTCAGCACCGGGAGCGCGTCG CCATGCACTACCAGATGAGGTACGAGTGTGACCCTCAAGTACGAAATCAAGAAGCTGATCTACGTGCATC TCGTCATATGGCTGCTGTTGGTGGCCAAGATGAGCGTGGGACACCTGAGGCTCTTGTCACATGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001243739
Insert Size:	204 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:	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:	NM_001243739.1, NP_001230668.1
RefSeq Size:	1225 bp
RefSeq ORF:	204 bp
Locus ID:	67767
UniProt ID:	Q5XKN4
Cytogenetics:	6 E3
Gene Summary:	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] Transcript Variant: This variant (3) uses an alternate splice site in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (3) is shorter and has a unique C-terminus, compared to isoform 1.

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