

Product datasheet for MC207439

Vasp (NM_009499) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Vasp (NM_009499) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Vasp
 Synonyms: AA107290
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC207439 representing NM_009499
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCGAGACGGTCATCTGTTCCAGCCGGGCTACTGTGATGCTTTATGATGACAGCAACAAGCGATGGC
 TCCCTGCTGGCACTGGTCCCCAGGCCTTACGCCGCTCCAGATCTACCACAACCCCACTGCTAACTCCTT
 CCGAGTTGTTGGCCGCAAGATGCAGCCGGATCAGCAGGTGTTATCAACTGTGCCATCATTGGGGGTGTC
 AAGTACAATCAGGCCACTCCCATCTTCCATCAGTGGCGAGATGCCCGCCAGGTCTGGGGCCCTCAACTTCG
 GCAGCAAGGAGGACGCCATACAGTTTGCAACAGGCATGGCCAACGCCCTAGAGGCCTTGAAGGAGGTGG
 GCCTCCCCAGCCCCAGCACCCCTGCCTGGTCTGCCAGAATGGTCCCTCCCCAGAGGAGCTGGAACAA
 CAGAAAAGGCAGCCGGAGCATAATGGAGCGCCGGGTCTCCAATGCAGGAGGCCACCTGCTCCCCAGCTG
 GGGGCCCTCCTCCACCTCCAGGACCTCCCCCTCCTCCAGTCCCCCCCCACCCCAAGTCTGCCCTCCTC
 AGGGGTATCTGGGGCAGGTATGGAGCAGGGGCAGCCCCACCCCTGCACCCCACTCCCTACAGCACAG
 GGCCCAATAGTGGGGTCCGGGGCCCCAGGCCTGGCTGCTGCCATTGCTGGAGCCAACTCAGGAAAG
 TGAGCAAGCAGGAGGAGCCTCTGGGGGGCCCCGGCCCCAAAGCTGAGAACAGTGAAGCACTGGTGG
 GGGCTTATGGAAGAGATGAACGCCATGCTGGCCCGGAGAAGAAAAGCCACACAGGTTGGGGAGAAGCCC
 CCCAAAGACGAGTCAGCCAGTGAGGAGTCAGAGGCCCGACTCCCTGCCAGAGTGAACCTGTGAGAAGAC
 CCTGGGAGAAGAACAGCACAACTTGCCAAGGATGAAGTCGCTCTTCTGTGACTACCTCCGAGGCCCA
 CCCCTCGACGCCCTGCTCCAGTGATGACTCCGACTTGGAGAGGGTGAAGCAGGAGCTTCTGGAAGAGGTG
 CGGAAGGAGCTACAGAAAATGAAAGAGGAAATCATCGAAGTCTTTGTCCAGGAGCTGAGGAAGCGGGTT
 CTCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_009499
Insert Size:	1128 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).
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_009499.3</u> , <u>NP_033525.2</u>
RefSeq Size:	2267 bp
RefSeq ORF:	1128 bp
Locus ID:	22323
UniProt ID:	<u>P70460</u>
Cytogenetics:	7 A3
Gene Summary:	<p>Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance, lamellipodial and filopodial dynamics, platelet activation and cell migration. VASP promotes actin filament elongation. It protects the barbed end of growing actin filaments against capping and increases the rate of actin polymerization in the presence of capping protein. VASP stimulates actin filament elongation by promoting the transfer of profilin-bound actin monomers onto the barbed end of growing actin filaments. Plays a role in actin-based mobility of <i>Listeria monocytogenes</i> in host cells. Regulates actin dynamics in platelets and plays an important role in regulating platelet aggregation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>