

Product datasheet for **MC220936**

Vps54 (BC025012) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps54 (BC025012) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vps54
Synonyms:	Vps54l, Hcc8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC025012
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCAAGCCACAGTCTTCTCCAGTGCCTCAAGGAAGCAGCAGTGTGTTTTCTTTAAAAAGAGG
 TAGATCCAACAAAACACATTTCGACCTGTGCAGTCACTGCCAGATGTGTGTCCAAGGAACCCACAGTTAC
 AGATCAACATAGATGGACTGTGTATCATTCCAAAGTAAATCTCCCAGCAGCATTAAATGATCCTACACTA
 GCAAAAAGAGAATCTGACTTCTTCAAAAACTTGGGGATTGGACTTTGTGGACTGAAGTCATACCTT
 CACTCTACCTCCACAGATCAGCAAGGAGAATTTATAGCATATCAGCAGGAGATCTCTCAGAGAGAGAA
 GATTCATGAGAGATGCAAGAATATTTGCCTCCTAAAGATACCTTTGACAGGACTCTTTACATATTCAT
 GATAAATCCAGGACAGATCTGGAGCAAGTACCTAAGATTTTTATGAAACCAGATTTGCCTTGGATGATT
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 CAGATCTCTACGTTCCAGAAGCATTTTTTTCATGCAATGACCTCTCAACACGAATTGCAGGACTACCTCA
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 TATTTGGGCTTTTGAACAAAAGAAAACCTAATTTTTTGAAGAACTATGGTGAAGAAATGATTATTACAGC
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 CTAAGTTTACAGTTTTCTACAGAGAGTTAAGGCAACATTGAATATTATCCACAGTGTGTTCTGTGCACT
 TCTTGAGAAAAGCCAAAGGACTAGAGAATTGGAAGAGATCCCACAGCAGAGGAGCGCTGGGAAGGACAGC
 TCCTTGGACACAGACGTGGCTTACCTGACACACGAGGGCTGGTTCATAAGTATGCTTTCAGTGAGGGTG
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 TGATTCGGTATCAGAACCAGAATGTAAGTACTGATTCTTCATCCAGCAAGGAGCAGACATCAGCGTGTGCT
 CCTCCAGGAGGTATAGAGATTATAGTCAGTGAAGACATGAGGTTAACTGACTTGGAGCTAGGAAAACCTAG
 CAAGTAACATCCAGGAGTTACTGTGAATGCTTCAGATGTATGCCATGATCGAGCTGTCAAATTTCTCAT
 GTCAAGAGCAAAGGACGGTTTTCTTGAATAATGAATTCACGGAATTCATAGCACTCTCGAGATTAATG
 GAGACATTCATAGTGGACTGAACAGATCTGTGGGAGGAAGAGCACGTCAGTCTGTTGGGGCCCTCAGAA
 GCCAAGCAAATAAGTTTGTGAACAGGTTTCATGAAGAGAGGGCGGACCAAGCTCAGCCTCCTTTAGACAA
 CGAGCGTTGGAAGCAGGCTGATGTTCTGCAGAATTTCCAGGATCTTGTGATTCTATAGCGGATGGAAAG
 ATTGCTTACCTGAAAAAAGCCAGTGGTTACAGAAGAAAGGAAGCCAGCTGATGTTCTTGTGTTGAGG
 GACACCAGTATGCAGTTGTGCGAACCGTCTTGTGTTAATAAGAATCATTCTTGAATATTGCCAGTGTGT
 GGATAACATCCCCTCCGTCACACTACTGACATGCTCACTCGCCTGACAGATCTGCTGAAGTACTTCAATTCA
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 AGCCCCACTGCCCCCAAGCAATGGAGCATGCTTAGACATTTTGTACATCACAAAGGATTACCATGAT
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 ATGAGGTGAAAGCTCCTGTTCTTCCCGTGTTCAGGAATATTTGTAAGCAAATGACAAAAATGCATGA
 AGCTATATTTGATCTTCTCCCGAAGAACAACACAGATGTTATTTTTAAGAATTAATGCAAGTTACAAA
 CTCACCTTGAAAAAACAGTTATCACACTTAAATGTAATAAATGACGGAGGACCTCAAATGGGTTGGTCA
 CAGCAGATGTAGCTTTTTACTGGAATCTTCAAGCCTTAAAGCCTTAAAGATCTGGATCTAAATAT
 GGCCGAGATCTGGGAACAGAAGAGGTGA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	BC025012
Insert Size:	2898 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:	BC025012 , AAH25012
RefSeq Size:	3405 bp
RefSeq ORF:	2897 bp
Locus ID:	245944
Cytogenetics:	11 13.89 cM
Gene Summary:	Acts as component of the GARP complex that is involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN). The GARP complex is required for the maintenance of the cycling of mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD. Within the GARP complex, required to tether the complex to the TGN. Not involved in endocytic recycling.[UniProtKB/Swiss-Prot Function]