

Product datasheet for **MC229228**

Vps54 (NM_001290628) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps54 (NM_001290628) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vps54
Synonyms:	Hcc8; mSLP8; Vps54l; wr
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC229228 representing NM_001290628
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCAAGCCACAGTTCCTTCCAGTGCCTCAAGGAAGCAGCAGTGTGTTTCTTTAAAAAGAGG
 TAGATCCAACAAAACACATTTCGACCTGTGCAGTCACTGCCAGATGTGTGCCAAGGAACCCACAGTTAC
 AGATCAACATAGATGGACTGTGTATCATTCCAAAGTAAATCTCCCAGCAGCATTAAATGATCCTACTACTA
 GCAAAAAGAGAATCTGACTTCTTCAAAAACTTGGGGATTGGACTTTGTGGACTGAAGTCATACCTT
 CACTCTACCTCCCACAGATCAGCAAGGAGAATTTATAGCATATCAGCAGGAGATCTCTCAGAGAGAGAA
 GATTTCATGAGAGATGCAAGAATATTTGCCTCCTAAAGATACCTTTGACAGGACTCTTTACATATTCAT
 GATAAATCCAGGACAGATCTGGAGCAAGTACCTAAGATTTTTATGAAACCAGATTTGCCTTGGATGATT
 CTTTAACTTTTAAATTCAGTTTACCATGGTCTCATTTTAACTGCTGGTGGGAAAGGAAGTCGCGACGC
 AGCTTCTTCCAAGTTGCTTCAGGAAAAGCTGAGCCATTATCTGGATATTGTGGAAGTAAACATTGCTCAC
 CAGATCTCTACGTTCCAGAAGCATTTCATGCAATGACCTCTCAACACGAATTGCAGGACTACCTCA
 AGAAAACCTACCCAGGCTGTAATAATGCTTCGAGATAAAATTCACAGATTGATAAAGTTATGTGTGAAGG
 ATCACTACAGATTTTAAAGACTGGCCTTACCAGAAATAATTGTGTTAAAGTATACAATAAACTGAAGTTA
 ATGGCCACTGTACACCAAACCTCAGCCTACAGTGCAGGTGTTGTTATCTACTTCTGAATTTGTTGGAGCGT
 TGGACTTAATAGCAACAACCTCAAGAGTTCTGCAGCAGGAGCTTCAGGGCATTACAGCTTCCGGCATT
 GGGATCACAGCTTTGTGAATTAGAAAAGCTGATTGATAAATGATGATTGCAGAATTTCTACTTATTCT
 CATAGTGACTTAAATAGACCCTGGAAGGTGAATGCCAAGTTTGAAGAGGAAAGATTAGTATCTCTTG
 TATTTGGGCTTTTGAACAAGAAAACCTAATTTTTTGAATACTATGGTGAAGAAATGATTATTACAGC
 AAAGAACATCATTAAAGAGCGTGTGATTAATAAAGTTTTACAAAATAGAAGAAATAGACACAGACGTTGTT
 GTAAGGCTTGCAGATCAATGAGAATGTTGAATTTTCCCAAGTGGATTGATCTGTTAAAGGACATTTTCT
 CTAAGTTTACAGTTTCTACAGAGAGTTAAGGCAACATTGAATATTATCCACAGTGTGTTCTGTGCAGT
 TCTTGAGAAAAGCCAAAGGACTAGAGAATTGGAAGAGATCCCACAGCAGAGGAGCGCTGGGAAGGACAGC
 TCCTTGGACACAGACGTGGCTTACCTGACACACGAGGGCTGGTTCATAAGTATGCTTTCAGTGAGGGTG
 AGCCAGCATCTGCGGCGTTGATACTACCTCTCAAAGAAACACGCTCTCCACATAGCGAGCCCTGCAGCAG
 TGATTCGGTATCAGAACCAGAATGTACTACTGATTCTTCATCCAGCAAGGAGCAGACATCAGCGTGTGCT
 CCTCCAGGAGGTATAGAGATTATAGTCAGTGAAGACATGAGGTTAACTGACTTGGAGCTAGGAAAACCTAG
 CAAGTAACATCCAGGAGTTACTGTGAATGCTTCAGATGTATGCCATGATCGAGCTGTCAAATTTCTCAT
 GTCAAGAGCAAAGGACGGTTTTCTTGAATAATGAATTCACGGAATTCATAGCACTCTCGAGATTAATG
 GAGACATTCATAGTGGACTGAACAGATCTGTGGGAGGAAGAGCACGTCAGTCTGTTGGGGCCCTCAGAA
 GCCAAGCAAATAAGTTTGTGAACAGTTTCATGAAGAGAGGGCGGACCAAGCTCAGCCTCCTTTAGACAA
 CGAGCGTTGGAAGCAGGCTGATGTTCTGCAGAATTTAGGATCTTGTGATTCTATAGCGGATGGAAAG
 ATTGCTTTACCTGAAAAAAGCCAGTGGTTACAGAAGAAAGGAAGCCAGCTGATGTTCTTGTGTTGAGG
 GACACCAGTATGCAGTTGTGCGAACCGTCTTGTGTTAATAAGAATCATTCTTGAATATTGCCAGTGTGT
 GGATAACATCCCCTCCGTCACACTACTGACATGCTCACTCGCCTGACAGATCTGCTGAAGTACTTCAATTC
 AGAAGTTGCCAGTTAGTTCTTGGAGCTGGTCTTTCAGAGTTGTTGGACTAAAAACAATTAATAAAAA
 ACTTGGCCCTCTTTCACGGTGTCTGCAGTTGATTGTGCACTACATTCCCGTGATCCGGGCTCACTTTGA
 AGCCCGACTGCCCCCAAGCAATGGAGCATGCTTAGACATTTTGTACATCACAAAGGATTACCATGAT
 CATATAGCTGAAATTTAGCTAAGCTTGTAGCGATAATGGATAGCCTATTTGATAAGCTGTTATCAAAGT
 ATGAGGTGAAAGCTCCTGTTCTTCCCGTGTTCAGGAATTTGTAAGCAAATGACAAAAATGCATGA
 AGCTATATTTGATCTTCTTCCGAAGAACAACACAGATGTTATTTTTAAGAATTAATGCAAGTTACAAA
 CTCCACTTGA AAAACAGTTATCACACTTAAATGTAATAAATGACGGAGGACCTCAAATGGGTTGGTCA
 CAGCAGATGTAGCTTTTACACTGGAAATCTTCAAGCCTTAAAGCCTTAAAGATCTGGATCTAAATAT
 GGCCGAGATCTGGGAACAGAAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001290628
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001290628.1</u> , <u>NP_001277557.1</u>
RefSeq Size:	4533 bp
RefSeq ORF:	2898 bp
Locus ID:	245944
UniProt ID:	<u>Q5SPW0</u>
Cytogenetics:	11 13.89 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 5' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.</p>