

Product datasheet for **MC222927**

Vps54 (NM_139061) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps54 (NM_139061) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vps54
Synonyms:	Hcc8; mSLP8; Vps54l; wr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222927 representing NM_139061

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCAAGCCACAGTTCCTTCCAGTGCCTCAAGGAAGCAGCAGTGTGTTTCTTTAAAAAGAGG
 TAGATCCAACAAAACACATTTCGACCTGTGCAGTCACTGCCAGATGTGTGTCCAAGGAACCCACAGGTGA
 TTCACATACTTTATGTGTGCCCATCTCTAGTTACAGATCAACATAGATGGACTGTGTATCATTCCAAA
 GTAATCTCCCAGCAGCATTAAATGATCCTACACTAGCAAAAAGAGAATCTGACTTCTTCACAAAACTT
 GGGGATTGGACTTTGTGGACACTGAAGTCATACCTTCACTCTACCTCCCACAGATCAGCAAGGAGAATTT
 TATAGCATATCAGCAGGAGATCTCTCAGAGAGAGAAGATTCATGAGAGATGCAAGAATATTTGCTCTCT
 AAAGATACCTTTGACAGGACTCTTTACATATTCATGATAAATCCAGGACAGATCTGGAGCAAGTACCTA
 AGATTTTTATGAAACCAGATTTTGCCTTGGATGATTCTTAACTTTTAAATTCAGTTTTACCATGGTCTCA
 TTTTAATACTGCTGGTGGAAAGGAAGTCGCGACGCAGCTTCTTCCAAGTTGCTTCAGGAAAAGCTGAGC
 CATTATCTGGATATTGTGGAAGTAAACATTGCTCACAGATCTCTCTACGTTCCAGAACATTTTTTCATG
 CAATGACCTCTCAACACGAATTGACAGGACTACCTCAAGAAAACCTACCCAGGCTGTAAAAATGCTTCGAGA
 TAAAAATGCACAGATTGATAAAGTTATGTGTGAAGGATCACTACAGATTTTAAAGACTGGCACTTACCAGA
 AATAATTTGTAAAGTATACAATAAAGTGAAGTTAATGGCCACTGTACACCAAACCTCAGCTACAGTGC
 AGGTGTTGTTATCTACTTCTGAATTTGTGGAGCGTTGGACTTAATAGCAACAACTCAAGAGGTTCTGCA
 GCAGGAGCTTCAGGGCATTACAGCTCCGGCATTGGGATCACAGCTTTGTGAATTAGAAAAGCTGATT
 GATAAAATGATGATTGCAGAATTTCTACTTATCTCATAGTGACTTAAATAGACCACTGGAAGGTGAAT
 GCCAAATTTAGAAAGGAAAGATTAGTATCTCTTGTATTTGGGCTTTTGAACAAGAAAACCTTAATTT
 TTTAGAAATCTATGGTGAAGAAATGATTATTACAGCAAAGAACATCATTAAAGAGCGTGTGATTAATAAA
 GTTTCACAAATAGAAGAAATAGACACAGACGTTGTTGTAAGCTTGCAGATCAAATGAGAATGTTGAATT
 TTCCCGTGGATTGATCTGTTAAAGGACATTTCTCTAAGTTTACAGTTTTCTACAGAGAGTTAAGGC
 AACATTGAATATTATCCACAGTGTGTTCTGTGAGTTCTTGGAAAAGCCAAAGGACTAGAGAATTGGAA
 GAGATCCACAGCAGAGGAGCGCTGGGAAGGACAGCTCCTTGGACACAGACGTGGCTTACCTGACACAG
 AGGGCTGGTTCATAAGTGATGCTTTCAGTGAGGGTGAGCCAGCATCTGCGGCGTTGATACTACCTCTCA
 AAGAAACAGTCTCCACATAGCGAGCCCTGCAGCAGTATTCCGGTATCAGAACCAGAATGTACTACTGAT
 TCTTCATCCAGCAAGGAGCAGACATCAGCGTGTGCTCCTCCAGGAGGTATAGAGATTATAGTCAGTGAAG
 ACATGAGGTTAACTGACTTGGAGCTAGGAAAACCTAGCAAGTAACTCCAGGAGTTACTGTGTAATGCTTC
 AGATGTATGCCATGATCGAGCTGTCAAATTTCTCATGTCAAGAGCAAAGGACGGTTTTCTTGAAAAATTG
 AATTCACGGAATTCATAGCACTCTCGAGATTAATGGAGACATTCATAGTGGACACTGAACAGATCTGTG
 GGAGGAAGAGCAGTCACTGCTTGGGGCCCTTCAGAGCCAAGCAAATAAGTTTGTGAACAGGTTTCATGA
 AGAGAGGCGGACCAAGCTCAGCCTCCTCTTAGACAACGAGCGTTGGAAGCAGGCTGATGTTCTCGAGAA
 TTTCAGGATCTTGTGATTCTATAGCGGATGGAAGATTGCTTTACCTGAAAAAAGCCAGTGGTTACAG
 AAGAAAGGAAGCCAGTGTGTTCTTGTGTTGAGGGACACCAGTATGCAGTTGTCGGAACCGTCTTGCT
 GTTAATAAGAATCATTCTTGAATATTGCCAGTGTGGATAAACATCCCTCCGCTCACTACTGACATGCTC
 ACTCGCCTGACAGATCTGCTGAAGTACTTCAATTCAGAAAGTTGCCAGTTAGTTCTTGGAGCTGGTCTT
 TGCAAGTTGTTGGACTAAAAACAATTAACAAAAAACTTGCCCTCTCTTACCGGTGTCTGCAGTTGAT
 TGTGCACTACATTTCCCGTATCCGGGCTCACTTTGAAGCCGACTGCCCCCAAGCAATGGAGCATGCTT
 AGACATTTTGATCACATCACAAGGATTACCATGATCATATAGCTGAAATTTTACGCTAAGCTTGTAGCGA
 TAATGGATAGCCTATTTGATAAGCTGTTATCAAAGTATGAGGTGAAAGCTCCTGTTCTTCCCGTGT
 CAGGAATATTTGTAAGCAAATGACAAAAATGCATGAAGCTATATTTGATCTTCTCCCGAAGAACAACA
 CAGATGTTATTTTAAGAATTAATGCAAGTTACAAACTCCACTTGAAAAAACAGTTATCACACTTAATG
 TAATAATGACGGAGGACCTCAAATGGGTTGGTACAGCAGATGTAGCTTTTACTGGAATCTTCA
 AGCCTTAAAGGCTTAAAGATCTGGATCTAAATATGGCCGAGATCTGGGAACAGAAGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_139061
Insert Size:	2934 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:	NM_139061.5 , NP_620692.3
RefSeq Size:	4569 bp
RefSeq ORF:	2934 bp
Locus ID:	245944
UniProt ID:	Q5SPW0
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 (1) represents the longer transcript and encodes the longer isoform (1).</p>