

Product datasheet for MC212551

Cln5 (NM_001033242) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cln5 (NM_001033242) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cln5
Synonyms: A730075N08Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC212551 representing NM_001033242
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCGCGGGGGCCATGTGGAGCGCACTGGCGCCCGCGCTCGCGCTGGCGCTGCTCGGGCTGGCGA
CGATTCTGGGCGCGTCCCCGACGTCTGGCAACGCTGGCCGGTGCCTACAAGCGTTCTCTTTCCGTCC
GAAGACAGATCCCTACTGTCAAGCTAAGTATACTTTCTGTCTACCGGCTCGCCATCCCAGTTATGAAG
GACAATGACGTCATCGAGGTCTTACGACTACAAGCCCCGATTTGGGAATTTAAATATGGAGACCTCTGG
GACACTTTAAACTTATGCATGACGCGTGGGATTCAGGAGCACACTGACAGGCAAGAACTACACAATTGA
GTGGTATGAACTTTCCAGCTGGGCAACTGTACATTTCCCCACCTCCGGCCTGACAAGAGCGCTCCCTTC
TGGTGAACCAAGGGGCAGCCTGCTTTTTTTGAAGGAATAGATGATAAACTGGAAGGAAAACGGGACAC
TGTCAGTCGTTGCAACCATATCCGAAACACATTTAAACAAAGTGGCCGAGTGGGTGAAGCAGGACAATGA
AACTGGGATTTATTATGAGACATGGACGGTCCGAGCCGGCCAGGACAAGGGGCCAGACGTGGTTTCGAG
TCCTACGACTGTTCAATTTGTCTTAAGGACATATAAGAAATGGGTGAATTTGGAACAGAATTCAGA
AGATAGAAACAACTATACGAAAATATTTCTTTACAGTGGAGAGCCTATTTACCTGGGAAATGAAACATC
TATTTTTGGGCCCAAAGGAAACAAGACTCTTGCTTTGGCCATAAAAAATTTTATGGCCCTTCAGACCG
TATTTGCAACCAAGATTTTCTGATGAATTTCTGAAAATTTTATGATACAGTATTATACACAGACAGT
TCTACTGTTTTATAACTTTGAGTATTGGTTTCTACCAATGAAACCCCTTTGTCAAAAATACATACGA
AGAAACCCGTTACCTACCCGACATACAACATTTACCGACTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2772_b02.zip



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001033242
Insert Size:	1026 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_001033242.1 , NP_001028414.1
RefSeq Size:	2447 bp
RefSeq ORF:	1026 bp
Locus ID:	211286
UniProt ID:	Q3UMW8
Cytogenetics:	14 51.71 cM
Gene Summary:	<p>Plays a role in influencing the retrograde trafficking of lysosomal sorting receptors SORT1 and IGF2R from the endosomes to the trans-Golgi network by controlling the recruitment of retromer complex to the endosomal membrane. Regulates the localization and activation of RAB7A which is required to recruit the retromer complex to the endosomal membrane. [UniProtKB/Swiss-Prot Function]</p>