

Product datasheet for SC128288

LRPAP1 (NM_002337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRPAP1 (NM_002337) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRPAP1
Synonyms:	A2MRAP; A2RAP; alpha-2-MRAP; HBP44; MRAP; MYP23; RAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002337 edited
 GAATTCGGCACGAGGGATGATGGCGCCGCGGAGGGTCAGGTCGTTTCTGCGCGGGCTCCC
 GCGCTGCTACTGCTGCTCTTCTCGGGCCCTGGCCCGCTGCGAGCCACGGCGCAA
 GTACTCGCGGGAGAAGAACCAGCCCAAGCCGTCCCCGAAACGCGAGTCCGAGAGAGGTT
 CCGCATGGAGAAGTTGAACCAGCTGTGGGAGAAGGCCAGCGACTGCATCTTCTCCCGT
 GAGGCTGGCCGAGCTCCACGCTGATCTGAAGATACAGGAGAGGGACGAACTCGCCTGAA
 GAACTAAAGCTTGACGGCTTGACGAAGATGGGAGAAGGAAGCGAGACTCATAACAA
 CCTCAATGTCATCTTGGCCAAGTATGGTCTGGACGAAAGAAGGACGCTCGGCAGGTGAC
 CAGCAACTCCCTCAGTGGCACCCAGGAAGACGGGCTGGATGACCCAGGCTGGAAAAGCT
 GTGGCACAAGGCCAAGACCTCTGGGAAATCTCCGGCGAAGAAGTGGACAAGCTCTGGCG
 GGAGTTCTGTCATCACAAGAGAAAGTTCACGAGTACAACGTCTGCTGGAGACCCTGAG
 CAGGACCGAAGAAATCCACGAGAAGCTCATTAGCCCTCGGACCTGAGCGACATCAAGGG
 CAGCGTCTGCACAGCAGGCACACGGAGCTGAAGGAGAAGCTGCGCAGCATCAACCAGGG
 CCTGGACCGCCTGCGCAGGGTACGCCACAGGGCTACAGCACTGAGGCTGAGTTCGAGGA
 GCCCAGGGTGATTGACCTGTGGGACCTGGCGCAGTCCGCCAACCTCACGGACAAGGAGCT
 GGAGGCGTTCGGGAGGAGCTCAAGCACTTCGAAGCCAAAATCGAGAAGCACAACCACTA
 CCAGAAGCAGCTGGAGATTGCGCACGAGAAGCTGAGGCACGCAGAGAGCGTGGGCGACGG
 CGAGCGTGTGAGCCGACCCGCGAGAAGCACGCCCTGCTGGAGGGGCGGACCAAGGAGCT
 GGGCTACACGGTGAAGAAGCATCTGCAGGACCTGTCCGGCAGGATCTCCAGAGCTCGGCA
 CAACGAACTCTGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002337 unedited</p> <pre>GGAGCTTGTGTAATACGACTCCTATAGGGCGGCCGCAACTTCGGCACGAGGGATGATGG CGCCGCGGAGGGTCAGGTCGTTTCTGCGCGGGCTCCCGCGCTGCTACTGCTGCTGCTCT TCCTCGGGCCCTGGCCCGCTGCGAGCCACGGCGGCAAGTACTCGCGGGAGAAGAACCAGC CCAAGCCGTCCCCGAAACGCGAGTCCGGAGAGGAGTCCGCATGGAGAAGTTGAACCAGC TGTGGGAGAAGGCCCAGCGACTGCATCTTCTCCCGTGAGGCTGGCCGAGCTCCACGCTG ATCTGAAGATACAGGAGAGGGACGAACTCGCCTGGAAGAACTAAAGCTTGACGGCTTGG ACGAAGATGGGGAGAAGGAAGCGAGACTACACCAACCTCAATGTCATCTTGGCCAAGT ATGGTCTGGACGAAAAGAAGGACGCTCGGCAGGTGACCAGCAACTCCCTCAGTGGCACCC AGGAAGACGGGCTGGATGACCCAGGCTGGAAAAGCTGTGGCACAAGGCGAAGACCTCTG GGAAATTTCTCGGCGAAGAACTGGACAAGCTCTGGCGGGAGTTCTTGCATCACAAGAGA AAGTTCACGAGTACAACGTCCTGCTGGAGACCCTGAGCAGGACCGAAGAAATCCACGAGA ACGTCATTAGCCCTCGGACCTGAGCGACATCAAGGGCAGCGTCTGCACAGCAGGCACA CGGAGCTGAAGGAGAAGCTGCGCAGCATCAACCAGGGCCTGGACCGCCTGCGCAGGGTCA GCCACCAGGGCTACAGCACTGAGCTGAGTTCGAGGAGCCAGGGTGATTGACCTGTGGGA CCTGGCGCAGTCCGCCAACCTCACGACAAGGAGCTGGAGGCGTTCGGGAGGAGCTCAA GCACTTGAAGCCAAAATCGAGAGCACAACTACCAGAGCAGCTGGAGAATTGCGCCA CGAGAAGCT</pre>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_002337 unedited</p> <pre>ACGATAGGAGCAGTGCGAGCCTATCACACCCTAAGGAATCTCGGCCAGCACGGTCCGGAC GGAAGAAGACGCTCGGCAGGCGACAGCAACACCCTAGCGGCACCCAGGAAGACGGGCCGG ACGACCCAGGCTGGAAAAGCTGCGGCACAAGGGCAAGACCCCGGAAACCCCGGGCG AAGAACCAGGACAAGCACCAGGCGGAGAACCAGCATCACAAAGAGAAGACACAGCAGACA ACGCCCCGAGGAGACCCGAGCAGGACCGAAGAAATCCACGAGAACGTCACCAGCCCT CGGACCTGAGCGACATCAAGGGCAGCGTCTGCACAGCAGGCACACGGAGCCGAAGGAGA AGCTGCGCAGCATCAACCAGGGCCTGGACCGCCTGCGCAGGGTCAGCCACCAGGGCTACA GCACTGAGGCTGAGTTCGAGGAGCCAGGGTGATTGACCTGTGGGACCTGGCGCAGTCCG CCAACCTCACGGACAAGGAGCTGGAGGCGTTCGGGAGGAGCTCAAGCACTTCGAAGCCA AAATCGAGAAGCACAACCACTACCAGAAGCAGCTGGAGATTGCGCACGAGAAGCTGAGGC ACGCAGAGAGCGTGGGCGACGGCGAGCGTGTGAGCCGACCCGCGAGAAGCACGCCCTGC TGGAGGGGCGGACCAAGGAGCTGGGCTACACGGTGAAGAAGCATCTGCAGGACCTGTCCG GCAGGATCTCCAGAGCTCGGCACAACGAACTCTGAAAGCACTGGGGGGCCAGCCCGCA GGGAAGAGGCCAGCGTGAAGACCTGGGCTCTTGGCCGTGGCATTTCCTGGACAGCCCGC CGTCAGGTGGCTGGGCTGGCACGGGTGTCGAGGCAGAAGGATTGTTTCTGGTACTGCA GCCGCTGCCGTCGCCACCCAG</pre>
Restriction Sites:	Please inquire
ACCN:	NM_002337
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_002337.1 , NP_002328.1
RefSeq Size:	1493 bp
RefSeq ORF:	1074 bp
Locus ID:	4043
UniProt ID:	P30533
Cytogenetics:	4p16.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene encodes a protein that interacts with the low density lipoprotein (LDL) receptor-related protein and facilitates its proper folding and localization by preventing the binding of ligands. Mutations in this gene have been identified in individuals with myopia 23. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the protein.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>