

Product datasheet for SC316655

PRR4 (NM_001098538) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRR4 (NM_001098538) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRR4
Synonyms:	LPRP; PROL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316655 representing NM_001098538. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGCTGCTGGTCTGCTCTCAGTGGTCCTTCTGGCTCTGAGCTCAGCTCAGAGCACAGATAATGATGTG
 AACTATGAAGACTTTACTTTACCATACCAGCCTGCAGGAAGCATCATCTTCTCCAGAGGGACAGAC
 CAGCAAGACATCCCCAGGAGCAACCACTCTGGTAATCTAGAATTCAGTGGCAGAAAATAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001098538
Insert Size:	198 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).


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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_001098538.2</u>
RefSeq Size:	353 bp
RefSeq ORF:	198 bp
Locus ID:	11272
UniProt ID:	<u>Q16378</u>
Cytogenetics:	12p13.2
Protein Families:	Secreted Protein
MW:	7.3 kDa
Gene Summary:	<p>This gene encodes a member of the proline-rich protein family that lacks a conserved repetitive domain. This protein may play a role in protective functions in the eye. Alternative splicing result in multiple transcript variants. Read-through transcription also exists between this gene and the upstream PRH1 (proline-rich protein HaellI subfamily 1) gene. [provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (1) uses an alternate splice site that causes a frameshift in the 3' coding region, compared to variant 2. The resulting isoform (1) has a distinct and shorter C-terminus, compared to isoform 2.</p>