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Product datasheet for SC313597

Protor 1 (PRR5) (NM_015366) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protor 1 (PRR5) (NM_015366) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protor 1
Synonyms:	FLJ20185k; PP610; PROTOR-1; PROTOR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313597 representing NM_015366. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAGTTCGCCCAGCCTCAGTGACCTGGGCAAGAGAGAGCCGGCCGCCGCCGCGGACGAGCGGGGCACG CAGCAGCGCCGGGCCTGCGCCAACGCCACCTGGAACAGCATCCACAACGGGGTGATCGCCGTCTTCCAG CGCAAGGGGCTGCCCGACCAGGAGCTCTTCAGCCTCAACGAGGGCGTCCGGCAGCTGTTGAAGACAGAG CTGGGGTCCTTCTTCACGGAGTACCTGCAGAACCAGCTGCTGACAAAAGGCATGGTGATCCTTCGGGAC AAGATTCGCTTCTATGAGGGACAGAAGCTGCTGGACTCACTGGCAGAGACCTGGGACTTCTTCTTCAGT GACGTGCTGCCCATGCTGCAGGCCATCTTCTACCCGGTGCAGGGCAAGGAGCCATCGGTGCGCCAGCTG GCCCTGCTGCACTTCCGGAATGCCATCACCCTCAGTGTGAAGCTAGAGGATGCGCTGGCCCGGGCCCAT GCCCGTGTGCCCCCTGCCATCGTGCAGATGCTGCTGGTGCTGCAGGGGGTACATGAGTCCAGGGGCGTG ACTGAGGACTACCTGCGCCTGGAGACGCTGGTCCAGAAGGTGGTGTCGCCATACCTGGGCACCTACGGC CTCCACTCCAGCGAGGGGCCCTTCACCCATTCCTGCATCCTGGAAAAGCGCCTCCTCCGCCGCTCCCGC TCGGGGGACGTGCTGGCCAAGAACCCTGTGGTGCGCTCCAAGAGCTACAACACGCCTCTGCTGAACCCC GTGCAGGAGCACGAGGCGGAGGGCGCGGCGGCCGGCGGTACCAGCATCCGCAGGCACTCTGTGTCGGAG ATGACGTCCTGCCCCGAGCCTCAGGGCTTCTCCGACCCGCCCGGCCAGGGCCCCACCGGGACCTTCAGG TCCTCCCCGGCGCCCCACTCAGGGCCCTGCCCCAGCAGACTGTACCCCACGACCCAGCCCCCTGAGCAG GGCTTGGATCCCACCCGCAGCTCCCTGCCCCGCTCCAGCCCGGAGAACCTGGTGGACCAGATCCTGGAG TCCGTGGACTCGGATTCTGAAGGGATTTTCATTGACTTTGGCCGGGGCCGGGGCTCTGGCATGTCCGAC TTGGAGGGCTCTGGGGGCCGGCAGAGTGTCGTGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI

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ACCN:	NM_015366
Insert Size:	1140 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).
Reconstitution Method:	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_015366.3
RefSeq Size:	2017 bp
RefSeq ORF:	1140 bp
Locus ID:	55615
UniProt ID:	P85299
Cytogenetics:	22q13.31
Domains:	RhoGAP, SEC14
MW:	41.6 kDa
Gene Summary:	This gene encodes a protein with a proline-rich domain. This gene is located in a region of chromosome 22 reported to contain a tumor suppressor gene that may be involved in breast and colorectal tumorigenesis. The protein is a component of the mammalian target of rapamycin complex 2 (mTORC2), and it regulates platelet-derived growth factor (PDGF) receptor beta expression and PDGF signaling to Akt and S6K1. Alternative splicing and the use of alternative promoters results in transcripts encoding different isoforms. Read-through transcripts from this gene into the downstream Rho GTPase activating protein 8 (ARHGAP8) gene also exist, which led to the original description of PRR5 and ARHGAP8 being a single gene. [provided by RefSeq, Nov 2010] Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Both variants 2 and 3 encode the same isoform (2).