

Product datasheet for SC313161

FLJ14213 (PRR5L) (NM_024841) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLJ14213 (PRR5L) (NM_024841) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLJ14213
Synonyms:	PROTOR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313161 representing NM_024841. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGACCCGCGGCTTCGCTCCCATTTCTGCCGTCGAGTTCCACAAGATGGGCTCCTCCGACGGCCTAGA
 CCGCGCTTCATGAGCTCCCCGTGCTCAGCGACCTTCCCGATTCCAAGCAGCTCGGCAGGCTCTGCAG
 CTGAGCTCCAGCTCAGCCTGGAACAGCGTTTCACTGCTGTGATCAACGTTTTCAAAGGGGTGGCTTG
 CAAAGCAACGAGCTCTATGCCCTGAACGAAAACATCAGGCGGCTGTTGAAGAGTGAACCTGGATCATTC
 ATTACAGACTATTTTCAGAACCAGCTTCTGCAAAAGGACTGTTCTTTGTGGAGGAGAAGATCAAGCTG
 TGTGAAGGTGAAATCGCATTGAGGTTCTGGCTGAAGTCTGGGACCACTTCTTCACTGAGACTCTCCCT
 ACCCTGCAGGCAATATTTTATCCAGTTCAGGGCCAGGAGCTGACTATCCGCCAGATCTCCCTGCTGGGC
 TTCCGAGACCTAGTCTTGCTGAAGGTGAAGCTGGGTGACCTGCTGCTGGGCCAGTCCAAGCTGCCC
 TCGTCCATTGTCCAGATGTTGCTCATCTGCAGAGTGTTCACGAGCCACAGGCCAAGTGAGAGTTAT
 TTGCAACTGGAGGAGCTGGTGAAGCAAGTGTTTCTCCTTCTCGGCATCAGCGGGGACCGTAGCTTC
 TCAGGCCCCACGTACACGCTGGCCAGGCGGCACTCCAGGGTCCGGCCCAAGGTGACTGTCTGAACAT
 GCCTCCCCGATAACCGCAGTCAGCCGGCACTGAATGAGATGGTCTTGACCCACTGACAGAGCAGGAG
 GGGGAAGCCTACCTGGAGAAGTGTGGCAGCGTGCGGCGGCACACGGTGGCCAATGCCACTCGGACATC
 CAGCTGCTGGCCATGGCCACCATGATGCACTCGGGCCTGGGGAGGAGGCCAGCAGTGAGAACAAGTGC
 CTGCTCCTGCCACCCAGCTTCCCCCGCCCCACCGGCAGTGCTCCAGTGAGCCCAACATCACTGACAAC
 CCTGACGGAAGTGGAGGAGGGGCCAGGGGCAGCCAGGAGGGCTCGGAGCTGAACGTGCTTCCCTCAGC
 TGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_024841
Insert Size:	1107 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:	<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_024841.4</u>
RefSeq Size:	3965 bp
RefSeq ORF:	1107 bp
Locus ID:	79899
UniProt ID:	<u>Q6MZQ0</u>
Cytogenetics:	11p13-p12
MW:	40.8 kDa
Gene Summary:	<p>Associates with the mTORC2 complex that regulates cellular processes including survival and organization of the cytoskeleton (PubMed:17461779). Regulates the activity of the mTORC2 complex in a substrate-specific manner preventing for instance the specific phosphorylation of PKCs and thereby controlling cell migration (PubMed:22609986). Plays a role in the stimulation of ZFP36-mediated mRNA decay of several ZFP36-associated mRNAs, such as TNF-alpha and GM-CSF, in response to stress (PubMed:21964062). Required for ZFP36 localization to cytoplasmic stress granule (SG) and P-body (PB) in response to stress (PubMed:21964062).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (a). 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>