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Product datasheet for MC200981

Yes1 (NM_009535) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yes1 (NM_009535) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Yes1
Synonyms:	p61-Yes; Yes
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC010594 sequence for NM_009535
CTTCTCCCCGCGGCGACCCGTGCGAGTGCGGCCGGACTCAGATTTGATAATGGGCTGCATTAAAAGTAAA
GAAAACAAAAGTCCAGCCATAAAATACACACCGGAAAATCTTACAGAGCCTGTAAGCCCAAGTGCCAGTC
ATTATGGAGTGGAACATGCTACAGTTGCCCCGACCTCTTCCACAAAGGGAGCATCAGTTAATTTTAACAG
TCTTTCCATGACACCCTTTGGAGGGTCCTCAGGGGTGACTCCTTTTGGAGGAGCGTCTTCCTCATTCTCA
GTGGTGTCAAGTTCATATCCTACAGGTTTAACAGGTGGTGTCACTATATTTGTGGCCTTGTATGATTATG
AAGCTAGAACTACAGAAGACCTTTCCTTTAAGAAGGGTGAACGATTTCAAATAATTAACAATACGGAAGG
AGACTGGTGGGAAGCAAGATCGATTGCTACCGGAAAGAGTGGTTATATCCCTAGCAATTACGTAGTGCCT
GCAGATTCCATTCAGGCAGAAGAATGGTATTTTGGCAAAATGGGGAGAAAAGATGCGGAAAGATTACTTC
TGAATCCTGGGAATCAGCGAGGTATTTTCTTAGTAAGAGAAAGTGAAACTACTAAAGGTGCTTACTCCCT
CTCAATCCGTGATTGGGATGAGGTGAGGGGTGACAATGTGAAGCATTACAAGATCAGAAAACTTGACAAT
GGTGGCTACTACATCACGACCAGAGCTCAGTTTGATACACTGCAGAAGCTGGTGAAGCACTACACAGAAC
ATGCTGATGGATTATGCCACAAGTTAACAACTGTGTGTCCTACTGTGAAACCCCAGACTCAAGGTCTGGC
AAAAGATGCTTGGGAAATCCCTCGAGAATCATTGCGACTAGAGGTGAAACTAGGTCAAGGATGCTTTGGG
GAAGTGTGGATGGGAACATGGAATGGAACTACAAAAGTAGCAATCAAAACACTAAAGCCAGGTACAATGA
TGCCAGAAGCATTCCTTCAAGAAGCTCAGATAATGAAAAAGCTAAGACACGATAAACTTGTTCCACTCTA
TGCAGTTGTTTCTGAAGAGCCCATTTATATTGTCACCGAGTTTATGTCAAAAGGAAGCTTGTTAGATTTC
CTTAAAGAAGGAGATGGAAAGTATTTGAAGCTTCCACAGCTGGTTGATATGGCTGCTCAGATCGCTGATG
GCATGGCGTATATTGAAAGAATGAACTATATTCACCGAGATCTCCGAGCTGCTAATATTCTTGTAGGAGA
AAATCTTATATGCAAAATAGCAGATTTTGGCTTAGCAAGATTAATTGAAGACAATGAATACACGGCAAGA
CAAGGTGCAAAATTTCCAATCAAGTGGACAGCTCCTGAGGCTGCTCTGTATGGTCGATTTACAATAAAGT
CAGATGTGTGGTCATTTGGAATTCTACAGACAGAGCTGGTAACAAAAGGAAGAGTGCCATATCCAGGTAT
GGTAAACCGTGAAGTATTGGAACAAGTAGAGCGGGGATACAGAATGCCTTGCCCCCAGGGCTGTCCCGAA
TCCCTCCATGAATTGATGAATCTTTGCTGGAAGAAGGATCCTGATGAAAGACCAACATTTGAATATATTC
AGTCCTTCTTGGAAGACTACTTCACTGCTACAGAGCCACAGTACCAACCAGGAGAAAATTTATAATCCAA
GTAGCCTGTGTGCACAGATCTGCCAAAACAGAGAGACCTTGTTACTGACTCCTCTGCCAAGAGGGCCTCC
TGAGAAGACTGGGTCCTCTTGCCCTGATGTCTACTCTGTGACATGAGTGTTTTAAAGGGCTTCATGTGAA
CTATGGTATTATAGTGTATGTAAGCATTCATTAAAGGGTAATAAAATATGTTTATGTACTAAAGCTGATC
AGAAAAATAAGGCAGAAAAATTGATGGCATTCTTTAGATTTTAACTAAATGGAGCAGCTCCTTATAATAC
AAATTGTATAGTAAGGATACAACACTAATTAATATGTTTTCAGTTTAATTTGTTATGTATTTTTTAATTA
TCAAGAAAAAGAAACAGTTTTGTACATTTGAGGATTTTTTTTTCAACAGCTTTCATCTGTATTGTCTTAA
CGTGGAACTTTAACACACCAGAAACGAAAGTTGTTAAAAGCAGCCTTTTAGCACAAACACTTTTTTAAGT
AAATAATGGTAGCCTAAAACTTAATATTTTTATAAAATATTGTAATATTGTTTTATGAATTATTAAAATA
AAATTCTTTGTTGAATGCAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009535

Insert Size: 1626 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).

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:	BC010594, AAH10594
RefSeq Size:	2282 bp
RefSeq ORF:	1626 bp
Locus ID:	22612
UniProt ID:	Q04736
Cytogenetics:	5 17.33 cM
Gene Summary:	Non-receptor protein tyrosine kinase that is involved in the regulation of cell growth and survival, apoptosis, cell-cell adhesion, cytoskeleton remodeling, and differentiation. Stimulation by receptor tyrosine kinases (RTKs) including EGRF, PDGFR, CSF1R and FGFR leads to recruitment of YES1 to the phosphorylated receptor, and activation and phosphorylation of downstream substrates. Upon EGFR activation, promotes the phosphorylation of PARD3 to favor epithelial tight junction assembly. Participates in the phosphorylation of specific junctional components such as CTNND1 by stimulating the FYN and FER tyrosine kinases at cell-cell contacts. Upon T-cell stimulation by CXCL12, phosphorylates collapsin response mediator protein 2/DPYSL2 and induces T-cell migration. Participates in CD95L/FASLG signaling pathway and mediates AKT-mediated cell migration. Plays a role in cell cycle progression by phosphorylating the cyclin dependent kinase 4/CDK4 thus regulating the G1 phase. Also involved in G2/M progression and cytokinesis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein. 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.