

Product datasheet for **MC228232**

Yes1 (NM_001205133) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yes1 (NM_001205133) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Yes1
Synonyms:	p61-Yes; Yes
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228232 representing NM_001205133
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTGCATTAAGTAAAGAAAACAAAAGTCCAGCCATAAAATACACACCGGAAAATCTTACAGAGC
 CTGTAAGCCCAAGTGCCAGTCATTATGGAGTGGAAACATGCTACAGTTGCCCGACCTCTCCACAAGGG
 AGCATCAGTTAATTTTAAACAGTCTTTCCATGACACCCTTTGGAGGGTCCCTCAGGGGTGACTCCTTTTGA
 GGAGCGTCTTCTCATTCTCAGTGGTGTCAAGTTCATATCCTACAGGTTTAAACAGGTGGTGTCACTATAT
 TTGTGGCCTTGTATGATTATGAAGCTAGAAGTACAGAAGACCTTTCTTTAAGAAGGGTGAACGATTTCA
 AATAATTAACAATACGGAAGGAGACTGGTGGGAAGCAAGATCAATTGCTACCGGAAAAGAGTGGTTATATC
 CCTAGCAATTACGTAGTGCCTGCAGATTCATTACGGCAGAAGAATGGTATTTTGGCAAAATGGGGAGAA
 AAGATGCGGAAAAGATTACTTCTGAATCCTGGGAATCAGCGAGGTATTTTCTTAGTAAGAGAAAAGTAAAC
 TACTAAAGGTGCTTACTCCCTCTCAATCCGTGATTGGGATGAGGTGAGGGGTGACAATGTGAAGCATTAC
 AAGATCAGAAAACCTTGACAATGGTGGCTACTACATCACGACCAGAGCTCAGTTTGATACACTGCAGAAGC
 TGGTGAAGCACTACACAGAACATGCTGATGGATTATGCCACAAGTTAACAACGTGTGTCTACTGTGAA
 ACCCCAGACTCAAGGTCTGGCAAAAGATGCTTGGGAAATCCCTCGAGAATCATTGCGACTAGAGGTGAAA
 CTAGGTCAAGGATGCTTTGGGGAAGTGTGGATGGGAACATGGAATGGAACACAAAAGTAGCAATCAAAA
 CACTAAAGCCAGGTACAATGATGCCAGAAGCATTCCCTCAAGAAGCTCAGATAATGAAAAAGCTAAGACA
 CGATAAACTTGTCCACTCTATGCAGTTGTTTCTGAAGAGCCATTTATATTGTCACCGAGTTTATGTCA
 AAAGGAAGCTTGTAGATTTCTTAAAGAAGGAGATGGAAAGTATTTGAAGCTTCCACAGCTGGTTGATA
 TGGCTGCTCAGATCGCTGATGGCATGGCGTATATTGAAAGAATGAACATATTCACCGAGATCTCCGAGC
 TGCTAATATTCTGTAGGAGAAAATCTTATATGCAAAAATAGCAGATTTTGGCTTAGCAAGATTAATTGAA
 GACAATGAATACACGGCAAGACAAGGTGCAAAAATTTCCAATCAAGTGGACAGCTCCTGAGGCTGCTCTGT
 ATGGTCGATTTACAATAAAGTCAGATGTGTGGTCAATTTGGAATTTACAGACAGAGCTGGTAAACAAAAGG
 AAGAGTGCATATCCAGGTATGGTAAACCGTGAAGTATTGGAACAAGTAGAGCGGGGATACAGAATGCCCT
 TGCCCCAGGGCTGTCCCGAATCCCTCCATGAATTGATGAATCTTTGCTGGAAGAAGGATCCTGATGAAA
 GACCAACATTTGAATATATTCAGTCCTTCTTGGAAAGACTACTTCACTGCTACAGAGCCACAGTACCAACC
 AGGAGAAAATTTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001205133
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001205133.1](#), [NP_001192062.1](#)

RefSeq Size: 2432 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 EGFR, 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 (3) differs in both the 5' UTR and 3' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.