

Product datasheet for **RG228401**

BUD13 (NM_001159736) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BUD13
Synonyms:	Cwc26; fSAP71
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG228401 representing NM_001159736
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGCAGCTCCGCCGCTTTCAAGGCCGAGTATCTGAAGCGTTACTTGTCCGGGGCAGATGCCGGCG
 TCGACCGGGGATCTGAGTCCGGTCGCAAGCGTCGCAAAAAGCGCCGAAGCCTGGCGGGCCGGCGGCAA
 GGGAATGCGGATTGTGGATGATGATGTGAGCTGGACAGCTATCTCCACAACCAAACTAGAAAAGGAGGAA
 GAGGAAGATGATGGAGATTTGCCTGTGGTGGCAGAGTTTGTGGATGAGCGGCCAGAAGAGGTAAAGCAGA
 TGGAGGCCCTTCGTTCCAGTGCCAAATGGAAGCTTCTGGGAGGCCACAACGAAGACCTACCTCAACAG
 ACATTTTCGTACGATACCCCGGATTCTCTCTAGGAGGGTCCGTCATGGTACCCAGATCCATCTCTCT
 AGGAAGGACCGTCATGACACCCCGGATCCATCTCTAGGAGGGCCGTCATGACACCCCGGATCCTTCTC
 CCCTCAGAGGGGCTCGTCATGACTCAGACACATCTCTCCAGGAGGATCCGTCATGACTCCTCAGACAC
 TTCACCCCAAGGAGGGCCGTCATGATTCTCAGATCCTTCTCCCAAGGAGGCTCAGCATAATTCT
 TCAGGTGACTGCCAGAAAGCAACTGATTACAGACCTTTCTTCTCCACGGCATAAACAAAGTCCAGGGCACC
 AGGATTCGATTAGATCTGTACCTCCACGGAATAGACCTAGACACCGGAGCTCTGATTCTGACCTCTC
 TCCACCAAGGAGGAGACAGAGGACCAATCTTCTGATTCTGACCTGTCCCGCCTCGAAGGAGTCAGCCT
 CCTGGAAGAAGGCTGCACACATGTATTCTGGGGCTAAACTGGGTTGGTGAAGTACATACAGCGAG
 AACAGCAGGAGCTCAAGGAACAGGATCAAGAAACCATGGCATTGAGCTGAATTTCAATATGCTGAAAC
 CGTATTTTCAGATAAGTCTGGTCGTAAGAGGAATTTGAACTCGAACGTTAGAGCAAAGGAGGAAAGCA
 GAAAAGGACTCAGAGAGAGATGAGCTGTATGCCAGTGGGAAAAGGGCTTGCCAGAGCCGGCAACAGC
 AACAAAATGTGGAGGATGCAATGAAAGAGATGCAAAAGCCTCTGGCCGCTATATTGATGACGAAGATCT
 GGATAGGATGCTAAGAGAACAGGAAAGAGAGGGGGACCTATGGCCAACCTCATCAAGAAGAATAAGGCC
 AAGGAGAACAGAATAAAAAAGTGAGACCTCGCTACAGTGGTCCAGCACCTCCTCCCAACAGATTTAATA
 TCTGGCCTGGATATCGCTGGGACGGAGTGGACAGATCCAATGGATTTGAACAGAAGCGCTTTGCCAGGCT
 TGCCAGCAAGAAGGCAGTGGAGGAATTGCCTACAAATGGAGTGTGAGGATATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228401 representing NM_001159736
 Red=Cloning site Green=Tags(s)

MAAAPPLSKAEYLKRYLSGADAGVDRGSESGRRKKRKPYPGGAGGKGMRIVDDDVSWTAISTTKLEKEE
 EEDDGLPVVAEFVDERPEEVKQMEAFRSSAKWKLGGHNEPLPSNRHFRHDTDPSSPRRVRHGTPDPSP
 RKDRHDTDPSPRRARHDTDPSPPLRGARHSDTSPRRIRHDSSTSPRRARHDSPPSPRRPQHNS
 SGDCQKATDSLSPRHKQSPGHQSDSDLSPPNRPRHRSDDLSPRRRQRTKSSDSLSPRRSQP
 PGKKAHMYSGAKTGLVLTDIQREQQELKEQDQETMAFEAEFYAETVFRDKSGRKRNLKLERLEQRRKA
 EKDSERDEL YAQWGKGLAQSRQQQNVEDAMKEMQKPLARYIDDEDLDRMLREQEREQDPMANFIKKNKA
 KENKNKKVRPRYSGPAPPNRFNIWPGYRWDGVDRSNGFEQKRFARLASKKAVEELAYKWSVEDM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001159736

ORF Size: 1455 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

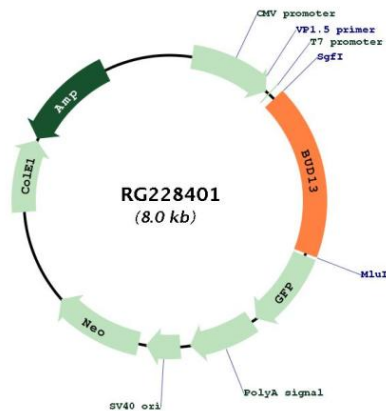
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001159736.1](#), [NP_001153208.1](#)

RefSeq Size:	1814 bp
RefSeq ORF:	1458 bp
Locus ID:	84811
UniProt ID:	Q9BRD0
Cytogenetics:	11q23.3
Gene Summary:	Involved in pre-mRNA splicing as component of the activated spliceosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG228401