

Product datasheet for **RG204613**

C15orf29 (KATNBL1) (NM_024713) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C15orf29
Synonyms:	C15orf29
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204613 representing NM_024713
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCATCAGAAACCCACAATGTTAAAAACGGAACCTTTGTAATAAGATTGAGGATCATTTTCATTGATC
TTCCTAGAAAAAGATCTCTAATTTCACTAATAAGAACATGAAGGAGGTTAAGAAATCTCCAAAACAGTT
GGCTGCTTACATAAATAGAACAGTTGGACAACTGTGAAAAGCCAGATAAACTTCGTAAAGTGATCTAT
CGCAGAAAGAAAGTTCATCATCCCTTTCCAAATCCTTGTTACAGAAAAAACAGTCCCCTGGAAGTGGGG
GCTGTGACATGGCAAATAAGAAAAATGAACTGGCTTGTGCAGGCCACCTGCCTGAAAAATTACACCATGA
TAGTCGAACATATTTGGTTAACTCCAGTGATTCTGGTTCTTCACAGACAGAAAGCCCATCATCAAAATAT
AGTGGGTTTTTTCTGAGGTTTCTCAGGACCATGAAACAATGGCCCAAGTTTTGTTTCAGCAGGAATATGA
GATTGAATGTAGCTTTAACTTTCTGGAGAAAGAGAAGTATAAGTGAAGTGTAGCTTATTTGTTGAGGAT
AGAAGATCTTGGCGTTGTGGTAGATTGCCTTCCTGTGCTCACCAATTGTTTACAGGAAGAAAAACAATAT
ATCTCACTTGGCTGCTGTGTTGACTTGTTCCTTAGTAAAGTCACTACTTAAAGCAAATTTGAAGAAT
ATGTTATAGTTGGTTTAACTGGCTTCAAGCAGTCATTAAGGTGGTGGTCAGAACTATCATCCAAAAC
AGAAATTATAATGATGGAAATATTCAAATTTTAAAAACAACATTAAGTGGATTATGGGAACAGGAAAAAC
CATCTTACTTTGGTTCCAGGATATACTGTAATATAGCTAAGGATGTAGATGCTTATTTATTACAGTTAC
AT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG204613 representing NM_024713

Red=Cloning site Green=Tags(s)

MASETHNVKKRNFCKNIEDHFIDLPRKKISNFTNKNMKEVKKSPKQLAAYINRTVGQTVKSPDKLRKVIY
RRKKVHHPPFPNPCYRKQSPGSGGCDMANKENELACAGHLPEKLHDSRTYLVNSSDSGSSQTESPSSKY
SGFFSEVSQDHETMAQVLF SRNMRLNVALTFWRKRSISELVAYLLRIEDLGVVVDCLPVL TNCLQEEKQY
ISLGCCVDLLPLVKSLLKSKFEEYVIVGLNWLQAVIKRWWSELSSKTEIINDGNIQILKQQLSGLWEQEN
HLTLVPGYTGNI AKDVDAYLLQLH

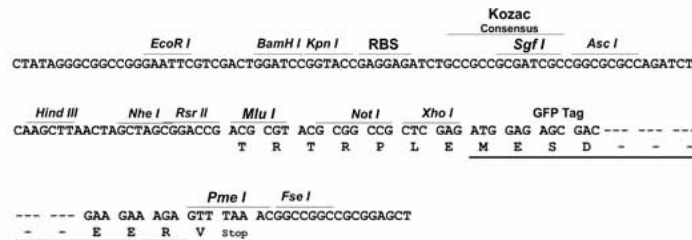
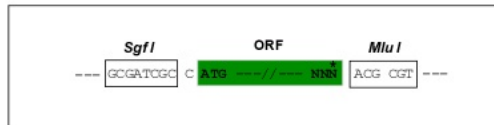
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_024713

ORF Size:

912 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_024713.3

RefSeq Size: 2676 bp

RefSeq ORF: 915 bp

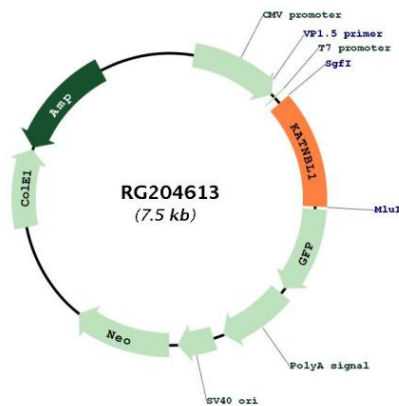
Locus ID: 79768

UniProt ID: Q9H079

Cytogenetics: 15q14

Gene Summary: Regulates microtubule-severing activity of KATNAL1 in a concentration-dependent manner in vitro.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204613