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Product datasheet for RG226570

TTLL11 (NM_001139442) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTLL11 (NM_001139442) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTLL11
Synonyms:	bA244O19.1; C9orf20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG226570 representing NM_001139442
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCCGCTGCCTCTGTGACAGGCAGGGTCACGTGGGCAGCCTCGCCTATGAGGTCGCTGGGGCTCG
GCCGGCGATTGTCCCTTCCCGGACCCCGTCTCGATGCGGTGACTGCCGCTGTCAACCCGAGCCTGAGCGA
TCATGGCAACGGGCTCGGGCGGGGAACGCGTGGCAGCGGCTGCAGCGGCGGCAGTTTGGTGGCGGACTGG
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GCAGCTCCGAGAGCGAGCTGGCGGCCCGGTGGGAGGCGGAGGCGGTGGCTGCGGCCAAAGCGGCGGCCAA
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AAAACGCCTGGTGTGTGGCCGGGGCGTCCCGTCGGGGGGCCGGCCCCCACACCGTGGCCCTCCCCAGGAG
CCCTCCCCCTCGGCCCAGCCAGCAGGGGACAACCCCCCACCCCGCACCAGCTGTGCCAATAAGCTCTCCC
ATCCCAGACATACCCTGTCC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG226570 representing NM_001139442
Red=Cloning site Green=Tags(s)

MAAAASVTGRVTWAASPMRSLGLGRRLSLPGPRLDAVTAAVNPSLSDHGNGLGRGTRGSGCSGGSLVADW
GGGAAAAAAVALALAPALSTMRRGSSESELAARWEAEAVAAAKAAAKAEAEATAETVAEQVRVDAGAAGE
PECKAGEEQPKVLAPAPAQPSAAEEGNTQVLQRPPPTLPPSKPKPVQGLCPHGKPRDKGRSCKRSSGHGS
GENGSQRPVTVDSSKARTSLDALKISIRQLKWKEFPFGRRLPCDIYWHGVSFHDNDIFSGQVNKFPGMTE
MVRKITLSRAVRTMQNLFPEEYNFYPRSWILPDEFQLFVAQVQMVKDDDPSWKPTFIVKPDGGCQGDGIY
LIKDPSDIRLAGTLQSRPAVVQEYICKPLLIDKLKFDIRLYVLLKSLDPLEIYIAKDGLSRFCTEPYQEP
TPKNLHRIFMHLTNYSLNIHSGNFIHSDSASTGSKRTFSSILCRLSSKGVDIKKVWSDIISVVIKTVIAL
TPELKVFYQSDIPTGRPGPTCFQILGFDILLMKNLKPILLEVNANPSMRIEHEHELSPGVFENVPSLVDE
EVKVAVIRDTLRLMDPLKKKRENQSQQLEKPFAGKEDALDGELTSAPDCNANPEAHLPSICLKQVFPKYA
KQFNYLRLVDRMANLFIRFLGIKGTMKLGPTGFRTFIRSCKLSSSSLSMAAVDILYIDITRRWNSMTLDQ
RDSGMCLQAFVEAFFFLAQRKFKMLPLHEQVASLIDLCEYHLSLLDEKRLVCGRGVPSGGRPPHRGPPQE
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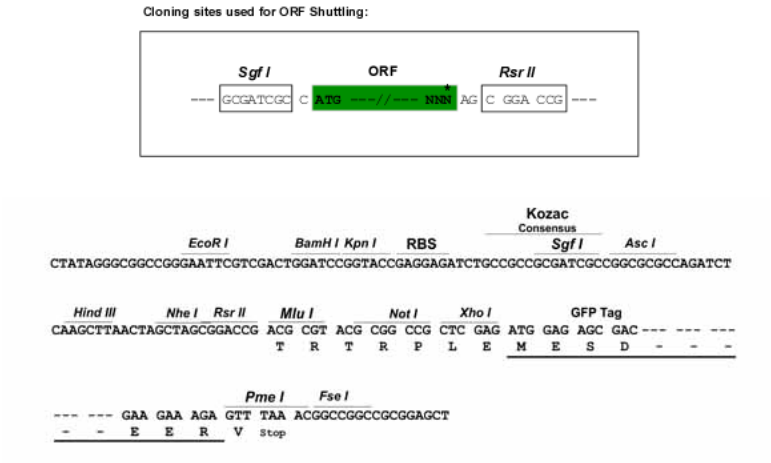
SGPTRTRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN:	NM_001139442
ORF Size:	2400 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.

RefSeq: NM_001139442.1, NP_001132914.1

RefSeq Size: 3280 bp

RefSeq ORF: 2133 bp

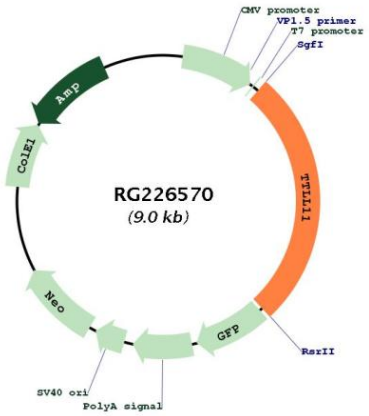
Locus ID: 158135

UniProt ID: Q8NHH1

Cytogenetics: 9q33.2

Gene Summary: Polyglutamase which preferentially modifies alpha-tubulin. Involved in the side-chain elongation step of the polyglutamylation reaction rather than in the initiation step (By similarity). Required for CCSAP localization to both spindle and cilia microtubules (PubMed:22493317). Generates long side-chains (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG226570