

Product datasheet for **RC226570**

TTLL11 (NM_001139442) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTLL11 (NM_001139442) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTLL11
Synonyms:	bA244O19.1; C9orf20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC226570 representing NM_001139442
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCGCTGCCTCTGTGACAGGCAGGGTCACGTGGGCAGCCTCGCCTATGAGGTGCTGGGGCTCG
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
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Protein Sequence: >RC226570 representing NM_001139442
 Red=Cloning site Green=Tags(s)

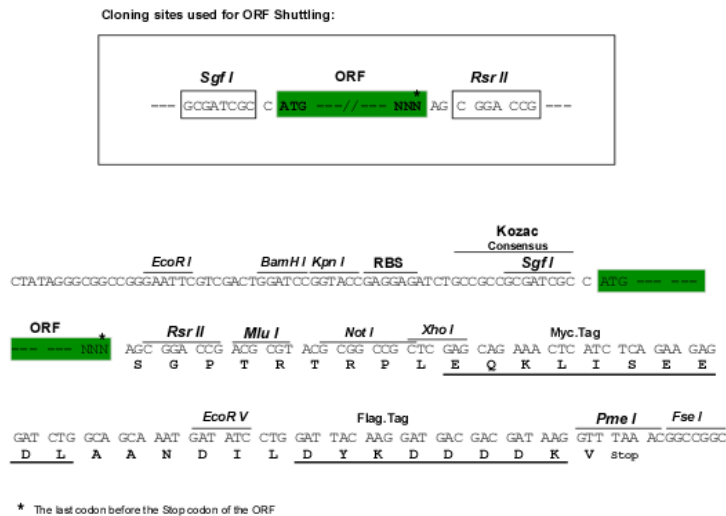
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 RDSGMCLQAFVEAFFFLAQRKFKMLPLHEQVASLIDLCEYHLSLLDEKRLVCGRGVPSGGRPPHRGPPQE
 PPSAQAPAGDNPPPTSCANKLSHPRHTLS

SGPTRRRL**EQKLISEEDLA**ANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8031_c05.zip

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.

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

RefSeq: NM_001139442.1, NP_001132914.1

RefSeq ORF: 2133 bp

Locus ID: 158135

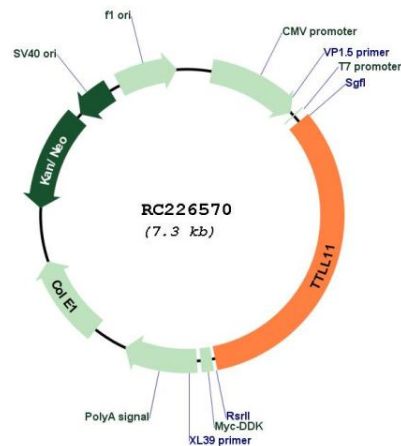
UniProt ID: Q8NHH1

Cytogenetics: 9q33.2

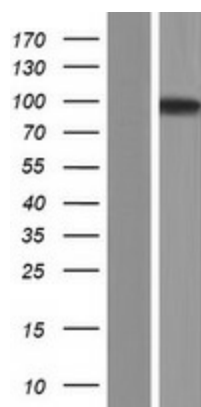
MW: 87.4 kDa

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]

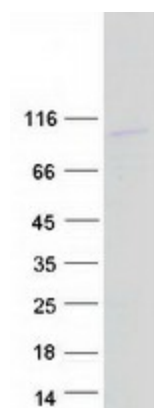
Product images:



Circular map for RC226570



Western blot validation of overexpression lysate (Cat# [LY427958]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226570 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TTLL11 protein (Cat# [TP326570]). The protein was produced from HEK293T cells transfected with TTLL11 cDNA clone (Cat# RC226570) using MegaTran 2.0 (Cat# [TT210002]).