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Product datasheet for RC202662

THYN1 (NM_001037304) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THYN1 (NM_001037304) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	THYN1
Synonyms:	HSPC144; MDS012; MY105; THY28; THY28KD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC202662 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGAGACCCCGGAAGAGGCTGGCTGGGACTTCTGGTTCAGACAAGGGACTATCAGGAAAACGCACCA
AAACTGAGAACTCAGGTGAGGCATTAGCTAAAGTGGAGGACTCCAACCCTCAGAAGACTTCAGCCACTAA
AAACTGTTTGAAGAATCTAAGCAGCCACTGGCTGATGAAGTCAGAGCCAGAGAGCCGCCTAGAGAAAGGT
GTAGATGTGAAGTTCAGCATTGAGGATCTCAAAGCACAGCCCAAACAGACAACATGCTGGGATGGTGTTC
GTAACTACCAGGCTCGGAACTTCCTTAGAGCCATGAAGCTGGGAGAAGAAGCCTTCTTCTACCATAGCAA
CTGCAAAGAGCCAGGCATCGCAGGACTCATGAAGATCGTGAAAGAGGCTTACCCAGACCACACACAGTTT
GAGAAAAACAATCCCCATTATGACCCATCTAGCAAAGAGGACAACCCTAAGTGGTCCATGAAGAGTTTGA
TTTTGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202662 protein sequence
Red=Cloning site Green=Tags(s)

MSRPRKRLAGTSGSDKGLSGKRTKTENSGEALAKVEDSNPQKTSATKNCLKNLSSHWLMKSEPESRLEKG
VDVKFSIEDLKAQPKQTTCWDGVRNYQARNFLRAMKLGEEAFFYHSNCKEPGIAGLMKIVKEAYPDHTQF
EKNNPHYDPSSKEDNPKWSMKSLILF

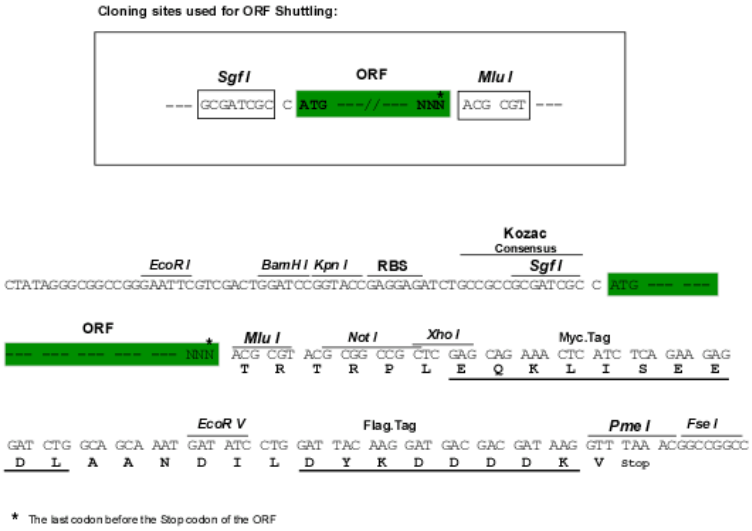
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6578_h09.zip

View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001037304

ORF Size: 498 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_001037304.2

RefSeq Size: 790 bp

RefSeq ORF: 501 bp

Locus ID: 29087

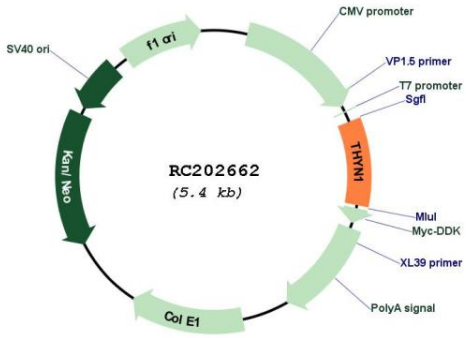
UniProt ID: Q9P016

Cytogenetics: 11q25

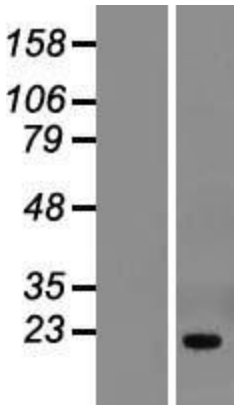
MW: 18.8 kDa

Gene Summary: This gene encodes a protein that is highly conserved among vertebrates and plant species and may be involved in the induction of apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC202662



Western blot validation of overexpression lysate (Cat# [LY404616]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC222714] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).