

Product datasheet for **RC228247**

TSPY4 (NM_001164471) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TSPY4
Synonyms:	TSPY8; TSPY10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC228247 representing NM_001164471
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCCCTGAGGGCTCGCTGACCTACCGGTGCCAGAGAGGCTGCGGCAGGGTTTCTGTGGCGTGGGT
GGGCAGCACAGGCCTTGGTGTGTGCGAGTGCCAAGGAGGGCACCGCCTTCAGGATGGAGGCTGTACAGGA
GGGGGCGGCCGGGTGGAGAGTGAGCAGGCGGCTTGGGGGAGGAGGCGGTGCTGCTGTTGGATGACATA
ATGGCGGAGGTGGAGGTGGTGGCGGAGGTGGAGGTGGTGGCGGAGGAGGAGGCGCTCGTGGAGCGCGGG
AGGAGGCCACGCGGCACAGCAGGCTGTGCCTGGCCCTGGGCCATGACCCAGAGTCTGCACTGGAGGA
GCTGCTGGCCGTTCAAGTGGAGCTGGAGCGGTTAATGCCCAAGCCAGGAAGGCCTTTCTCGGCAGCGG
GAAAAGATGGAGCGGAGGCGCAAGCCACCTAGACCGCAGAGGCGCGTCATCCAGAGCGTCCCTGGCT
TCTGGGCCAATGTTATTGCAAACACCCCAAGATGTCAGCCCTGATCACTGACGAAGATGAAGACATGCT
GAGCTACATGGTCAGCCTGGAGGTGGAAGAAGAGAAGCATCCTGTTTCATCTCTGCAAGATCATGTTGTTT
TTTCGAGTAACCCCTACTTCCAGAATAAAGTGATTACCAAGGAATATCTGGTGAACATCAGAGAATACA
GGGCTTCTCATTCCACTCCAATTGAGTGGTATCCGGATTATGAAGTGGAGGCTATCGCCGAGACACCA
CAACAGCAGCCTTAACCTTCACTGGTTCTCTGACCACAACTTCGAGGATCTAACAAGATTGCTGAG
ATCCTATGTAAGGACCTGTGGCGCAATCCCTGCAATACTACAAGAGGATGAAGCCACCTGAAGGGGAA
CAGAGACGTCAGGGGACTCCAGTTGTTGAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC228247 representing NM_001164471
Red=Cloning site Green=Tags(s)

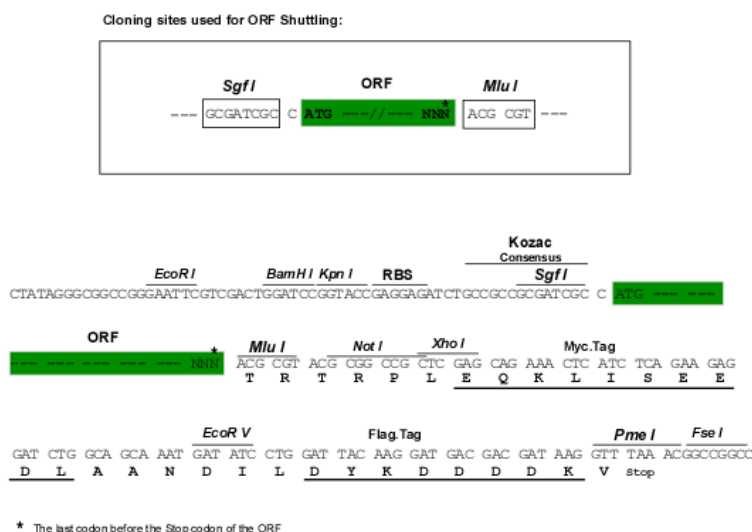
MRPEGLSTYRVPRLRQFCGVGRAAQALVCSAKEGTAFRMEAVQEAGAVESEQAALGEEAVLLLLDDI
MAEVEVVAEVEVVAEEGLVERREEAQAQQAVPGPGMPTESALEELLAVQVELEPVNAQARKAFSRQR
EKMERRRRKPHLDRRGAVIQSPGFWANVIANHPQMSALITDEDEMLSYMVSLVEVEEKHPVHLCKIMLF
FRSNPYFQNKVITKEYLKNITERYASHSTPIEWPDYVEAYRRRHKKSSLNFNWFSDHNFAGSNKIAE
ILDCDLWRNLPLOYKRNKMPPEEGTSTSGDSOLLS

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8038_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164471

ORF Size: 942 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_001164471.1](#), [NP_001157943.1](#)

RefSeq ORF: 945 bp

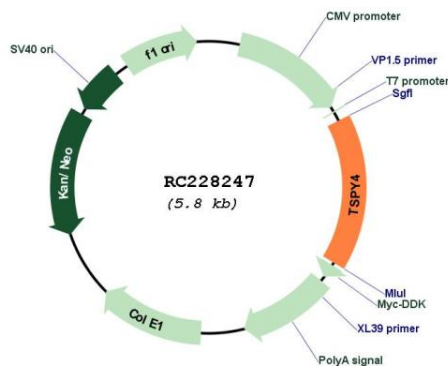
Locus ID: 728395

UniProt ID: [P0CV99](#)

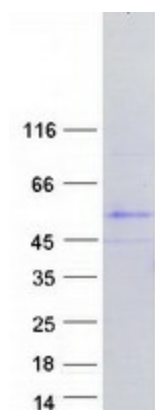
Cytogenetics: Yp11.2

MW: 35.5 kDa

Product images:



Circular map for RC228247



Coomassie blue staining of purified TSPY4 protein (Cat# [TP328247]). The protein was produced from HEK293T cells transfected with TSPY4 cDNA clone (Cat# RC228247) using MegaTran 2.0 (Cat# [TT210002]).