

Product datasheet for **RG231140**

TSPY1 (NM_001197242) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPY1 (NM_001197242) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSPY1
Synonyms:	CT78; DYS14; pJA923; TSPY
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231140 representing NM_001197242 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCGCCCTGAGGGCTCGCTGACCTACCGGGTCCAGAGAGGCTGCGGCAGGGTTTCTGTGGCGTGGGT
GGGCAGCACAGGCCTTGGTGTGTGCGAGTGCCAAGGAGGGCACCCTTCAGGATGGAGGCTGTGCAGGA
GGGGGCGCCGGGTGGAGAGTGAGCAGGCGGCTTTGGGGAGGAGGCGGTGCTGCTGTTGGATGACATA
ATGGCGGAGGTGGAGGTGGTGGCGGAGGAGGAGGGCTCGTGGAGCGCGGGAGGAGGCCAGCGGGCAC
AGCAGGCTGTGCCTGGCCCTGGGCCATGACCCAGAGTCTGCACCGAGGAGCTGCTGGCCGTTACAGT
GGAGCTGGAGCCGGTTAATGCCCAAGCCAGGAAGGCCTTTCTCGGCAGCGGAAAGATGGAGCGGAGG
CGCAAGCCCCACCTAGACCGCAGAGGCGCGTCATCCAGAGCGTCCCTGGCTTCTGGGCCAATGTTATTG
CAAACCACCCAGATGTCAGCCCTGATCACTGACGAAGATGAAGACATGCTGAGCTACATGGTCAGCCT
GGAGGTGGGAGAAGAGAAGCATCCTGTTTCATCTCTGCAAGATCATGTTGTTCTTTCGGAGTAACCCCTAC
TTCCAGAATAAAGTGATTACCAAGGAATATCTGGTGAACATCACAGAATACAGGGCTTCTCATTCCACTC
CAATTGAGTGGTATCCGATTATGAAGTGGAGGCCTATCGCCGCAGACACCACAACAGCAGCCTTAATT
CTTCAACTGGTTCTCTGACCACAACTTCGAGGATCTAACAAGATTGCTGAGTCCCCTGACAGATCCTAT
GTAAGGACCTGTGGCGCAATCCCTGCAATACTACAAGAGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG231140 representing NM_001197242
 Red=Cloning site Green=Tags(s)

MRPEGSLTYRVPRLRQGFCEGVGAAQALVCASAKEGTAFRMEAVQEGAAGVESEQAALGEEAVLLDDI
 MAEEVVAEEEGGLVERREEAQRQAQAVPGPGMTPESAPEELLAVQVELEPVNAQARKAFSRQREKMERR
 RKPFLDRRGAVIQSVPGFWANVIANHPQMSALITDEDEDMLSYMVSLEVGEKHPVHLCKIMLFFRSNPY
 FQNKVITKEYLVNITEYRASHSTPIEWYPDYEVEAYRRRHHNSSLNFFNWFSDHNFAGSNKIAESPDRSY
 VRTCGAIPCNTTRG

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001197242

ORF Size: 882 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_001197242.2](#)

RefSeq Size: 1182 bp

RefSeq ORF: 885 bp

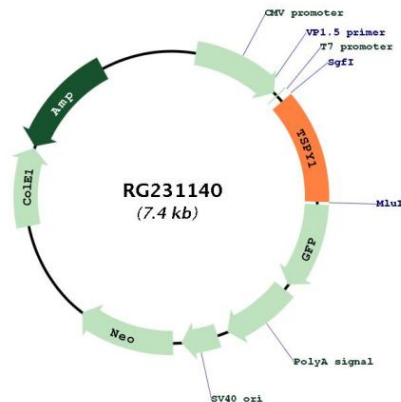
Locus ID: 7258

UniProt ID: [Q01534](#)

Cytogenetics: Yp11.2

Gene Summary: The protein encoded by this gene is found only in testicular tissue and may be involved in spermatogenesis. Many functional paralogs and pseudogenes of this gene are present in a cluster in humans, but only a single, nonfunctional orthologous gene is found in mouse. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RG231140