

Product datasheet for **RG227371**

TPRA1 (NM_001142646) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPRA1 (NM_001142646) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TPRA1
Synonyms:	GPR175; TMEM227; TPRA40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227371 representing NM_001142646 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACACCTGGAGGAGGTGACTTGGGCAATGGGAGCACAGCGCTACCCACCCCTGGCACCAACA
TCAGTGTGCCTCATCGCTGCCTGCTGCTCTACGAAGACATTGGCACCTCCAGGGTCCGGTACTGGGA
CCTTTGCTGCTCATCCCAATGTGCTTCTCCTCATCTTCTGCTCTGGAAGCTCCATCTGCTCGGGCG
AAGATCCGCATCACCTCCAGCCCATTTTTATCACCTTCTACATCCTGGTGTGGTGGCGCTGGTGG
GCATTGCCGGGGCGGTATCCATGACGGTGAGCACCTCGAACGCTGCAACTGTTGCTGATAAGATCCT
GTGGGAGATCACCGCTTCTTCTGCTGGCCATCGAGCTGAGTGTGATCATCCTGGGCCTGGCCTTTGGC
CACCTGGAGAGTAAGTCCAGCATCAAGCGGGTGTGGCCATCACCACAGTGTGTCCCTGGCCTACTCTG
TCACCCAGGGGACCCTGGAGATCCTGTACCCTGATGCCCATCTCTCAGCTGAGGACTTTAATATCTATGG
CCATGGGGGCGCCAGTTCTGGCTGGTCAGCTCCTGCTTCTTCTTCTGCTGTGTAGATGCCACAACCTT
CCTGTACTTCAGTCTTCTCGCTCCGTCATCTACGTGGCTTCTCCGGGGCTTCTTCGGCTCGGAGCCC
AAGATCCTTCTCCTACAAATGCCAAGTGGACGAGACAGAGGAGCCAGATGTACACCTACCCAGCCCT
ACGCTGTGGCCCGGGGAGGGCCTGGAGGCTGCAGGGCTGCTGGGGCCTCAGTGCAGCTACTCGAG
CACGCAGTTCGACTCTGCCGGCGGGTGGCCTACCTGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227371 representing NM_001142646
Red=Cloning site Green=Tags(s)

MDTLEEVWANGSTALPPPLAPNISVPHRCLLLLYEDIGTSRVRYWDLILLIPNVLFLLWKLPSARA
 KIRITSSPIFITFYILVFVVALVGIARAVVSMTVSTSNAAVADKILWEITRFFLLAIELSVIILGLAFG
 HLESKSSIKRVLAITTVLSLAYSVTQGTLEILYPDAHLSAEDFNIYGHGGRQFWLVSSCFFLLCRCHNL
 PVLQLLRSAHLRGFPGLLRLLGAQDPLLLQMPSGRDRGARCTPTPALRCGPAGGPGGCRGCWGLSCQLE
 HAVRLCRRGGLPG

TRTRPLE - GFP Tag - V

Restriction Sites:

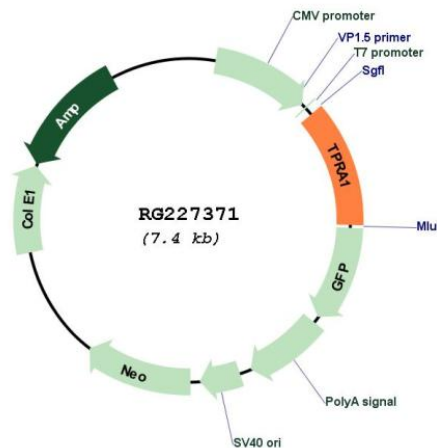
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001142646

ORF Size: 879 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:	<ol style="list-style-type: none">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_001142646.4
RefSeq Size:	1743 bp
RefSeq ORF:	882 bp
Locus ID:	131601
UniProt ID:	Q86W33
Cytogenetics:	3q21.3
Protein Families:	Druggable Genome, Transmembrane