

Product datasheet for MR204156

Tpra1 (NM_011906) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tpra1 (NM_011906) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tpra1
Synonyms:	40kDa; Gpr175; Tpra40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204156 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCCTGCAGGAGGCCAATGGAAGCACAGCGTGGCCACCGCCACAGCATCCAATATCAGTGAGC
CCCACCAGTGCCTGCTGCTGCTATATGAGGATATTGGCTCCTCCAGGGTCCGGTACTGGGACCTCCTGCT
GCTCATTCCCAATGTGCTCTTCTTCATCTTCTGCTCTGGAAGCTTCCCTTAGCTCGGGCAAGATCCGT
GTCACCTCCAGCCCCATTTTATCACCTTCTACATCCTGGTGTTGTGGTAGCCCTGGTAGGCATTGCCA
GGGCTGTGGTTTCTATGACAGTCAGCGCCTCTGATGCTGCGACAGTTGCTGACAAGATCCTGTGGGAAAT
CACCCGCTTCTTCTGCTGGCCATTGAGCTGAGTGTGATCATCCTGGGTCTTGCCTTGGTCACCTAGAG
AGCAAGTCCAGCATCAAGCGGGTCTGGCTATCACCACAGTATTGTCTCTGGCCTACTCAGTCAACCAGG
GGACCTTGGAGATCCTGTACCCTGACTCCCATCTTTCAGCTGAGGATTTCAACATCTATGGCCATGGTGG
CCGGCAGTTCTGGCTCGTCAGCTCTTGCTTTTCTTCTGGTCTACTCACTGGTGGTAATTCTCCCAAG
ACCCCACTGAAGGAGCGTGTATCCCTGCCCTCACGGAGGAGTTTCTACGTGTATGCAGGCATCCTGGCCA
CACTCAACCTGCTGCAGGGTTTGGGGAGTGCTCTGCTCTGCGTAACATCATTGTGGGCTCTGCTGTGT
AGATGCCACCACCTTCTGTACTTCAGCTTCTTTCACCACTCATCTATGTGGCCTTCTCCGTGGCTTC
TTTGGCTCTGAACCAAGATCCTTTTCTTACAATGCCAAGTGACGAGGCTGAAGAGCCAGACATGC
ACCTGCCGAGCCCTACGCTGTGGCCCGCGCGAGGGCATAGAGTCTGCAGGACCTGCCTGCGCCTCTGC
CGCAACTACTCCAGCACACAGTTTGACTCTGCTGGGGTGGCCTACTTAGATGACATTGCCTCCATGCC
TGCCACACGGGACGATCAACAGCACAGACAGCGAGCGCTGAAAAGCCATCAATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR204156 protein sequence
Red=Cloning site Green=Tags(s)

MASLQEANGSTAWPPPTASNISEPHQCLLLLYEDIGSSRVRYWDLILLIPNVLFFIFLLWKLPLARAKIR
 VTSSPIFITFYILVFVVALVGIARAVVSMTVSASDAATVADKILWEITRFFLLAIELSVIILGLAFGHLE
 SKSSIKRVLAITTVLSLAYSVTQGTLEILYPDShLSAEDFNIYGHGGRQFWLVSSCFFFLVYSLVILPK
 TPLKERVSLPSRRSFYVYAGILATLNLQGLGSALLCANIIVGLCCVDATTFLYFSFFAPLIYVAFLRGF
 FGSEPKILFSYKQVDEAEEPDMHLPQPYAVARREGIESAGPACASAANYSSSTQFDSAGVAYLDDIASMP
 CHTGSINSTDSERWKAINA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_011906

ORF Size: 1110 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_011906.2](#), [NP_036036.2](#)

RefSeq Size: 1829 bp

RefSeq ORF: 1110 bp

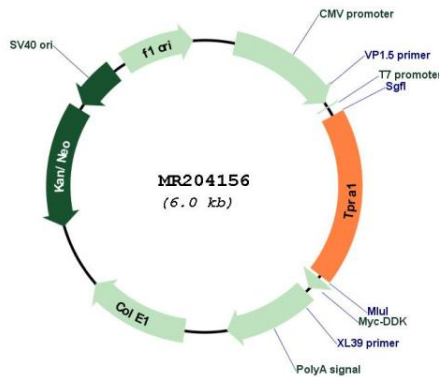
Locus ID: 24100

UniProt ID: [Q99MU1](#)

Cytogenetics: 6 D1

MW: 40.6 kDa

Product images:



Circular map for MR204156