

Product datasheet for **MR223350**

Tnrc6a (NM_144925) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Tnrc6a
Synonyms:	2010321I05Rik; 3110054G10Rik; AW557223; CAGH26; D130023A07Rik; GW182; Tnrc6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR223350 representing NM_144925
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCCGCATCGCC

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Protein Sequence:

>MR223350 representing NM_144925

Red=Cloning site Green=Tags(s)

MRELEAKATKDVERNLSDLVQEEQLMEEKKKKKDDKKKEAAQKKATEQKIKVPEQIKPSVSQPPAN
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FPVIAANLGSAAVVLNSQSESAVTNQQPQNGEVQNSKSQSDINHNTSGSHYENCQRGPVSTSDCSTS
CKNAVNDLLEKEAWPSAPGSDPELAPECIDADSASNSEERNITVMASGNTGGEKDLRNSTGLGSQSKF
VVGSSSNVGHGSSSTGPWGFPHGALISTCQVSDAPESESSNNRMNAWGTVSSSSNGGLNPSTLNSAS
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DCSHSFSSRTDVNHWNGAGLSGANCGLHGTSLWGTPHYSTSLWGPPSSDPRGSISSPINAFLSVDHLG
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

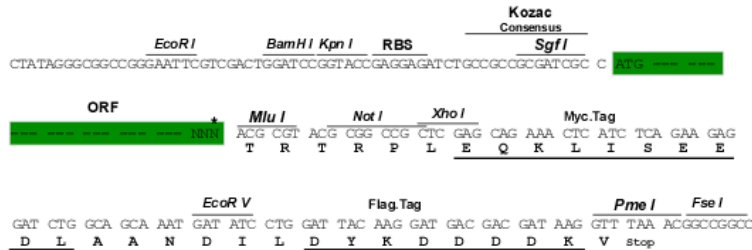
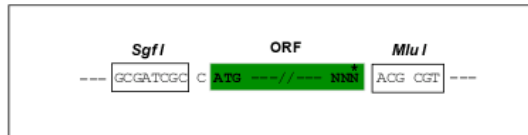
https://cdn.origene.com/chromatograms/mm9049_d10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_144925

ORF Size: 5688 bp

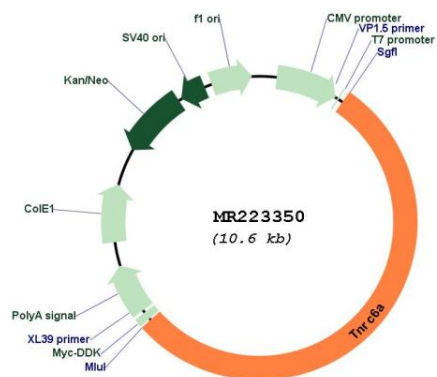
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_144925.3, NP_659174.3</u>
RefSeq Size:	8493 bp
RefSeq ORF:	5691 bp
Locus ID:	233833
UniProt ID:	<u>Q3UHK8</u>
Cytogenetics:	7 F2- F3
MW:	203.6 kDa
Gene Summary:	This gene encodes a member of the trinucleotide repeat containing 6 protein family. The protein is highly similar to a human protein that functions in post-transcriptional gene silencing through the RNA interference (RNAi) and microRNA pathways. The human protein associates with messenger RNAs and argonaute proteins in cytoplasmic bodies known as GW-bodies or P-bodies, and inhibiting its expression delocalizes other GW-body proteins and impairs RNAi and microRNA-induced gene silencing. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR223350