



**Protein Sequence:** >RG201087 representing NM\_006586  
 Red=Cloning site Green=Tags(s)

MDSMPEPASRCLLLLPLLLLLLLLLPAPELGPSQAGAENDWVRLPSKCEVCKYVAVELKSAFEETGKTK  
 EVIGTGYGILDQKASGVKTKSDLRLIEVTETICKRLLDYSLHKERTGNSNRFAGMSETFETLHNLVHKG  
 VKVVM DIPYELWNETS AEVADLKKQCDVLVEEFEEVIEDWYRNHQEEDL TEFLCANHVLKGDTSCLAEQ  
 WSGKKGDTAALGGKSKKKSSRAKAAGGRSSSSKQRKELGGLEGDPSPPEDEGIQKASPLTHSPPEL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006586

**ORF Size:** 834 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\\_006586.5](#)

**RefSeq Size:** 1720 bp

**RefSeq ORF:** 837 bp

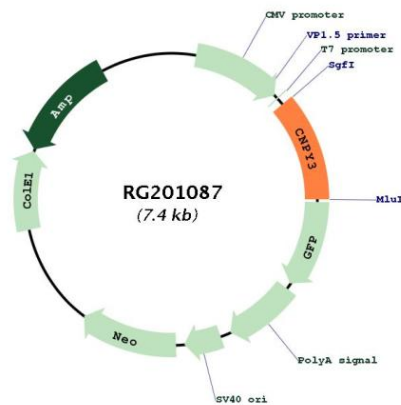
**Locus ID:** 10695

**UniProt ID:** [Q9BT09](#)

**Cytogenetics:** 6p21.1

**Gene Summary:** This gene encodes a protein that binds members of the toll-like receptor protein family and functions as a chaperone to aid in folding and export of these proteins. Alternative splicing results in multiple transcript variants. Naturally occurring readthrough transcription occurs between this locus and the downstream GNMT (glycine N-methyltransferase) gene and is represented with GeneID:107080644. [provided by RefSeq, Jan 2016]

## Product images:



Circular map for RG201087