

## Product datasheet for **RG202015**

### ETS1 associated protein II (TDP2) (NM\_016614) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ETS1 associated protein II (TDP2) (NM_016614) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ETS1 associated protein II
Synonyms:	AD022; dj30M3.3; EAP2; EAPII; hTDP2; TTRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202015 representing NM_016614 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTTGGGGAGTTGCCTGGAGGGCGGGAGGGAGGCGCGGAGGAAGAGGGCGAGCCTGAGGTGAAAA  
AGCGGCGACTTCTGTGTGGAGTTGCCTCGGTCGCAAGCTGCGATGCCGAGTGGCTCAGTGCTTCTCT  
GGCCGAGAACGACTGGGAGATGGAAAGGGCTCTGAACCTCTACTCGAGCCTCCGGTGGAGGAGAGCGCC  
TTGGAACGCCGACTGAAACCATCTCTGAGCCCAAGACCTATGTTGACCTAACCAATGAAGAAACAACCTG  
ATTCCACCACTTCTAAAATCAGCCCATCTGAAGATACTCAGCAAGAAAAATGGCAGCATGTTCTCTCAT  
TACCTGGAATATTGATGGATTAGATCTAAACAATCTGTCAGAGAGGGCTCGAGGGGTGTGTTCTACTTA  
GCTTTGTACAGCCAGATGTGATATTTCTACAGGAAGTTATCCCCATATTATAGCTACCTAAAGAAGA  
GATCAAGTAATTATGAGATTATTACAGGTCATGAAGAAGGATATTTACAGCTATAATGTTGAAGAAATC  
AAGAGTGAAATAAAAAGCCAAGAGATTATTCCTTTTCCAAGTACCAAAATGATGAGAAACCTTTTATGT  
GTGCATGTGAATGTGTCAGGAAATGAGCTTGCCTTATGACATCCCATTTGGAGAGCACCAGAGGGCATG  
CTGCGGAACGAATGAATCAGTTAAAAATGGTTTTAAAGAAAATGCAAGAGGCTCCAGAGTCAGCTACAGT  
TATATTTGCAGGAGATACAAATTAAGGGATCGAGAGTTACCAGATGTGGTGGTTTACCAACAACATT  
GTGGATGCTGGGAGTTTTTGGCAAACCTAAACATTGCCAGTATACATGGGATACAAATGAACCTTA  
ATCTTGAATAACTGCTGCTTGTAAACTTCGTTTTGATCGAATATTTTTTCAGAGCAGCAGCAGAAGAGGG  
ACACATTATTCCCGAAGTTTGGACCTTCTGGATTAGAAAAACTGGACTGTGGTAGATTTCCTAGTGAT  
CACTGGGGTCTTCTGTGCAACTTAGATATAATATTG

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG202015 representing NM\_016614  
 Red=Cloning site Green=Tags(s)

MELGSCLEGGREAAEEEGEPEVKKRRLLCVEFASVASCDAAVAQCFLAENDWEMERALNSYFEPPEESA  
 LERRPETISEPKTYVDL TNEETDSTTSKISPS EDTQQENGSFSLITWNIDGLDLNLSERARGVCSYL  
 ALYSPDVIFLQEVIPPYYSYLKKRSSNYE IITGHEEGYFTA IMLKKS RVKLSQEIIPFPSTKMMRNLLC  
 VHVNVSGNELCLMTSHLESTRGHAAERMNQLK MVLKMQEAPESATVIFAGDTNLRDREVTRCGGLPNNI  
 VDWEFLGKPKHCQYTWDTQMNSNLGITAAKLRFDRIFFRAAAEEGHII PRSLDLLGLEKLD CGRFPSPD  
 HWGLLCNLDIIL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_016614

**ORF Size:** 1086 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\\_016614.2](#), [NP\\_057698.2](#)

**RefSeq Size:** 1940 bp

**RefSeq ORF:** 1089 bp

**Locus ID:** 51567

**UniProt ID:** [O95551](#)

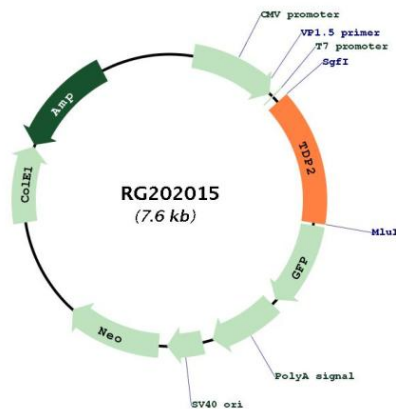
**Cytogenetics:** 6p22.3

**Domains:** Exo\_endo\_phos

**Protein Families:** Druggable Genome, Stem cell - Pluripotency, Transcription Factors

**Gene Summary:** This gene encodes a member of a superfamily of divalent cation-dependent phosphodiesterases. The encoded protein associates with CD40, tumor necrosis factor (TNF) receptor-75 and TNF receptor associated factors (TRAFs), and inhibits nuclear factor-kappa-B activation. This protein has sequence and structural similarities with APE1 endonuclease, which is involved in both DNA repair and the activation of transcription factors. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG202015