

## Product datasheet for **RG214366**

### **TLL2 (NM\_012465) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TLL2 (NM_012465) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TLL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG214366 representing NM\_012465  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCCGGGCGACTGCACTTGGGGCCCTGGTGTCACTGTCTGCTGCTGCCGCTGCCTCGCGGCCCG  
 GGGGACTCGGGGAGCGCCCGGACGCCACCCAGACTACTCAGAGCTGGACGGCGAGGAGGCACGGAGCA  
 GCAGCTGGAGCATTACCACGACCCTTGCAAAGCCGCTGTCTTTGGGGAGACATTGCCTTAGATGAAGAT  
 GACTTGAAGCTGTTTACATTGACAAAGCCAGAGACTGGACCAAGCAGACAGTGGGGGCAACAGGACACA  
 GCACAGGTGGGCTTGAAGAGCAGGCATCTGAGAGCAGCCAGACACCACAGCCATGGACTGGCACCAA  
 GGAAGCTGGAAGGATGGCCGGGAGAATACCACACTCCTGCACAGCCCTGGGACCTTGCATGCCGACGC  
 AAGACCTTCTCCCCGGTCCGAAGAGCCACAACCTCAAGGACAGAGAGGATATGGCCTGGAGGAGTCA  
 TCCCTACGTATTGGAGGAACTTCACTGGGAGCCAGAGGGCCATTTTTAAGCAGGCCATGAGACTG  
 GGAGAAGCACACCTGTGTGACCTTCATAGAAAGGACGGATGAGGAAAGCTTTATTGTATTAGTTACAGA  
 ACCTGTGGCTGTTGCTCCTATGTTGGGCGCCGAGGAGGAGGCCACAGGCCATATCCATTGGGAAGAACT  
 GTGACAAGTTTGGCATTGTGGCTCACGAGCTGGGCCATGTGGTTGGGTTTTGGCATGAACACACCCGGCC  
 AGACAGAGACCAACATGTCACCATCATCAGGAAAAATCCAGCCAGGTCAGGAGTATAATTTCTAAAA  
 ATGGAAGCTGGGAAGTGAAGTCTCTGGGAGAGACATACGACTTTGACAGCATCATGCACTACGCCCGGA  
 ACACCTTCTCAAGAGGAGTTTTCTTAGACACCATCCTTCCCCGTCAAGATGACAAATGGCGTCAGGCCAAC  
 CATTGGCCAGCGCTGCGGCTCAGTCAGGAGACATAGCTCAAGCCCGAAGCTGTACAAATGCCAGCG  
 TGTGGGAGACCCCTGCAGGACACAACGGGAACTTTTCTGCACCTGGTTTCCAAATGGTACCCATCTT  
 ACTCCCCTGCTGGAGGATCTCGGTCACCCAGGGGAAAAGATCGTATTAACCTTACATCATGGA  
 TTTGTTTTAAAGCCGACTGTGCTGGTATGATTAGTGGAGGTCGGGATGGTTACTGGAGAAAAGCCCCC  
 CTTTTGGCAGGTTTTGTGGCGATAAGATCCCGGAGCCCTCGTCTCACGGACAGCCGGCTCTGGTGG  
 AGTTCGCGAGCAGCAACATCTTGGCAAGGGCTTCTTTCAGCGTACGAAGCTACCTGCGGGGAGAG  
 CATGAACAAAGATGCCGGTCAGATTCAATCTCCCAACTATCCGGATGACTACAGACCTTCCAAGGAATGT  
 GTCTGGAGGATTACGGTTTCAGAGGGTTTTACGTGGGACTTACCTTCCAAGCTTTTGGATTGAAAGGC  
 ACGACAGCTGTGCATATGACTACCTGGAAGTCCGGGATGGCCCCACGGAAGAGAGTGCCTGATCGGCCA  
 CTTTTGTGGCTATGAGAAGCCGGAGGATGTGAAATCGAGCTCCAACAGACTGTGGATGAAGTTTGTGTC  
 GATGGCTCTATCAATAAAGCGGGCTTTCAGCCAAATTTTTCAAGGAGGTGGATGAGTGTCTGCGCCAG  
 ATCAGCGCGGGTGCAGCATCGCTGTGTGAACACGCTGGGCGAGCTACAAGTGTGCCTGTGACCCCTGGCTA  
 CGAGCTGGCCCGGATAAGAAGATGTGTGAAGTGGCCTGTGGCGGTTTTATTACCAAGCTGAATGGAACC  
 ATCACCAGCCCTGGGTGGCCGAAGGAGTATCCCAAAACAAAACCTGTGTCTGGCAGGTGGTGGCCCCCG  
 CTCAGTACCGGATCTCCCTTCAAGTTTGAAGTGTGAACTGGAAGGCAATGACGTCTGTAAGTACGACTT  
 TGTAGAGGTGCGCAGCGGCTGTCCCCGACGCCAAGCTGCACGGCAGGTTTCTGCGGCTCTGAGACGCCG  
 GAGGTCATCACCTCGCAGAGCAACAACATGCGCGTGGAGTTCAAGTCCGACAACACCGTCTCCAAGCGCG  
 GCTTCAAGGCCACTTCTTCTCAGATAAGGACGAGTGTGCAAGGACAACGGCGGGTGTGAGCATGAGTGC  
 CGTCAACACCTTCGGGAGCTACCTGTGCAGGTGCAGAAACGGCTACTGGCTCCACGAGAATGGGCATGAC  
 TGCAAAGAGGCTGGCTGTGCACACAAGATCAGCAGTGTGGAGGGACCCCTGGCAGCCCCAACTGGCCTG  
 ACAAATACCCAGCCGGAGGAGTGTACCTGGAACATCTCTCGACTGCAGGCCACAGAGTGAAGTCACT  
 CTTAATGAGTTTGAATCGAGCAGCACCAGGAATGTGCCTATGACCACCTGGAATGTATGACGGGCCG  
 GACAGCTGGCCCCATTCTGGCCGTTTCTGCGGAGCAAGAAACCAGACCCACGGTGGCTTCCGGCA  
 GCAGTATGTTTCTCAGGTTTTATTCGGATGCCTCAGTGCAGAGGAAAGGCTTCCAGGCAGTGCACAGCAC  
 AGAGTGCGGGGCAGGCTGAAGGCTGAAGTGCAGACCAAGAGCTCTATCCACGCCAGTTTGGGGAC  
 AACAACTACCCGAGCGAGGCCGCTGTGACTGGGTGATCGTGGCAGAGGACGGCTACGGCGTGGAGCTGA  
 CATTCCGGACCTTGGAGTTGAGGAGGAGGCCACTGCGGCTACGACTACATGGAAGCCTACGACGGCTA  
 CGACAGCTCAGCGCCAGGCTCGCCGCTTCTGTGGCTCTGGGCCATTAGAAGAAATCTACTCTGACAGT  
 GATTCCCTGATGATTCCGATCCGCACAGATGACACCATCAACAAGAAAGGCTTTCATGCCCGATACACCA  
 GCACCAAGTTCCAGGATGCCCTGCATGAAGAAA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG214366 representing NM\_012465  
 Red=Cloning site Green=Tags(s)

MPRATALGALVSLLLLLPLPRGAGGLGERPDATADYSELDEEGTEQQLEHYHDPCKAAVFWGDIALDED  
 DLKLFHIDKARDWTKQTVGATGHSTGGLLEEQASESSPDTTAMDTGTKEAGKDGRENTTLLHSPGTLHAAA  
 KTFSPRVRATTSRTERIWPGGVIPYVIGGNFTGSQRAIFKQAMRHWEKHTCVTFIERTDEESFIVFSYR  
 TCGCCSYVGRGGGPQAIISIGKNCDFGIVAHELGHVVGFWHEHTRPDRDQHVTIIRENIQPGQEYNFLK  
 MEAGEVSSLGETYDFDSIMHYARNFSSRGVFLDTILPRQDDNGVRPTIGQVRVLSQGDIAQARKLYKCPA  
 CGETLQDTTGNFSAPGFPNGYPSYSHCVWRISVTPGEKIVLNFSTMDLFLKSRLCWYDYVEVRDGYWRKAP  
 LLGRFCGDKIPEPLVSTDSRLWVEFRSSNILGKGFFAAYEATCGGDMNKDAGQIQSPNYPDDYRPSKEC  
 VWRITVSEGFHVGLTFQAFEIERHDSACAYDYLEVRDGPTEESALIGHFCGYEKPEDVKSSSNRLWMKFVS  
 DGSINKAGFAANFFKEVDECSWPDHGGCEHRCVNTLGSYKACDPGYELAADKKMCEVACGGFITKLNGT  
 ITSPGWPKEYPTNKNVQVQVAPAQYRISLQFEVFELEGNDVCKYDFVEVRSGLSPDAKLHGRFCGSETP  
 EVITSQSNMNRVEFKSDNTVSKRGFRAHFFSDKDECAKNDGGCQHECVNTFGSYLCRCRNGYWLHENGHD  
 CKEAGCAHKISSVEGTLASPNWPKYPSRRECTWNISSTAGHRVKLTFNEFEIEQHQECAYDHLEMYDGP  
 DSLAPILGRFCGSKKPDPTVASGSSMFLRFYSDASVQRKGFQAVHSTECGRLKAEVQTKELYSHAQFGD  
 NNPSEARCDWVIVAEDGYGVELTFRTFEVEEEDCGYDMEAYDGYDSSAPRLGRFCGSGPLEEISAG  
 DSLMIRFRTDDTINKKGFHARYTSTKFDALHMKK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

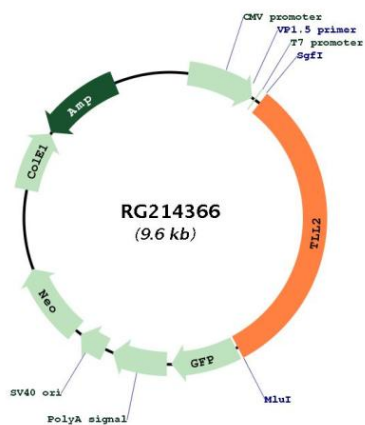


ACCN: NM\_012465

ORF Size: 3045 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_012465.4</a>
<b>RefSeq Size:</b>	6753 bp
<b>RefSeq ORF:</b>	3048 bp
<b>Locus ID:</b>	7093
<b>UniProt ID:</b>	<a href="#">Q9Y6L7</a>
<b>Cytogenetics:</b>	10q24.1
<b>Domains:</b>	CUB, Astacin, EGF_CA, ZnMc, EGF, EGF
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	This gene encodes an astacin-like zinc-dependent metalloprotease and is a subfamily member of the metzincin family. Unlike other family members, a similar protein in mice does not cleave procollagen C-propeptides or chordin. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG214366