

## Product datasheet for **RG225133**

### **A2LD1 (GGACT) (NM\_033110) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** A2LD1 (GGACT) (NM\_033110) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** GGACT  
**Synonyms:** A2LD1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225133 representing NM\_033110  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTAGTCTTCGTGTACGGCACCCCTGAAGCGGGGTCAGCCCAACCACAGGGTCTGCGGGACGGCG  
CCCACGGCTCCGAGCCTTTCGGGCGCGCGCCGACGCTGGAGCCCTACCCGTTGGTGATCGCGGGGGA  
GCACAACATCCCCTGGCTGCTGCACCTGCCCGGCTCGGGCGCCTCGTGGAGGGCGAGGTCTACCGGTA  
GACGAGCGGATGCTGCGCTTTCGGATGACTTCGAGAGTTGCCCGCCCTGTACCAGCGCACGGTCTGCTG  
GGGTACAGCTGCTGGAGGACCGGCCCGGGCGCAGAGGAGCCCGCCAGCGCCACCGCGGTGCAGTGCTT  
CGTGACAGCAGGGCCACCTTCCCGCCGAGTGGGCCAGCTCCCGCACCATGACAGCTACGACTCCGAG  
GGCCCGCACGGGCTGCGCTACAACCCCGGAGAACAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG225133 representing NM\_033110  
Red=Cloning site Green=Tags(s)

MALVFVYGTALKRGQPNHRVLRDGAHGSAAFRARGRTLEPYPLVIAGEHNIPWLLHLPGSGRLVEGEVYAV  
DERMLRFLDDFESCPALYQRTVLRVQLLEDRAPGAEPPAPTAVQCFVYSRATFPPEWAQLPHHDSYDSE  
GPHGLRYNPRENR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<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>	<u>NM_033110.2</u>
<b>RefSeq Size:</b>	1265 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	87769
<b>UniProt ID:</b>	<u>Q9BVM4</u>
<b>Cytogenetics:</b>	13q32.3
<b>Gene Summary:</b>	The protein encoded by this gene aids in the proteolytic degradation of crosslinked fibrin by breaking down isodipeptide L-gamma-glutamyl-L-epsilon-lysine, a byproduct of fibrin degradation. The reaction catalyzed by the encoded gamma-glutamylaminocyclotransferase produces 5-oxo-L-proline and a free alkylamine. Two transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Aug 2010]