

## Product datasheet for **SC124516**

### **A2LD1 (GGACT) (NM\_033110) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	A2LD1 (GGACT) (NM_033110) Human Untagged Clone
Tag:	Tag Free
Symbol:	A2LD1
Synonyms:	A2LD1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124516 sequence for NM_033110 edited (data generated by NextGen Sequencing)

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ATGGCCCTAGTCTTCGTGTACGGCACCCCTGAAGCGGGGTGAGCCCAACACAGGGTCCTG
CGGGACGGCGCCACGGCTCCGCAGCCTTTCGGGCGCGCGGCCGACGCTGGAGCCCTAC
CCGTTGGTGATCGCGGGGAGCACAACATCCCGTGGCTGCTGCACCTGCCCGGCTCGGGG
CGCCTCGTGGAGGGCGAGGTCTACGCGGTAGACGAGCGGATGCTGCGCTTCTGGATGAC
TTCGAGAGTTGCCCGCCCTGTACCAGCGCACGGTGTGCGGGTACAGCTGCTGGAGGAC
CGGGCCCCGGGCGCAGAGGAGCCGCCAGCGCCACCGCGGTGCAGTGCTTCGTGTACAGC
AGGGCCACCTTCCCGCCGGAGTGGGCCAGCTCCCGCACCATGACAGCTACGACTCCGAG
GGGCCGCACGGGCTGCGCTACAACCCCGGAGAACAGATAA
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Clone variation with respect to NM\_033110.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_033110 unedited TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCAAGAGGCAGCAGACGT GCCTCTTGAGCAAAATGAGGCCTAGAACCCCCAGAGCAGCTCTTGTGTTGCTGAGAAGAA AACAGAAGTCCCATGAGTTCAAGTGTGACTTCTTCAGTTTCTTCAGGGTCCACTTGTCCAC ATGATTGGTGGCAAGTGTGGTGTCCGGGGCCATTCTGGCGGGTACAGAGCTGCTGCTGT TTCCTGGATAGCCGATTTGTTTTCTGCACCTGCAGTCCCGTCTGCAAAGCCCCATCTCA ACGAGTCGCCCCACAGGCTGTACCTCATGGCGGGGCACACAGGGCAGCGGAGCGAGGG GCCGGGGAGAGCGGCCCCACCCCTTTAATGTTCAATTTCCATTTTGTGTTGAGTCACTTT CACGCAAATCACTTCTGTCTTTATGTAACAGTCTGTGGCCAGACCCAGGCAAGTGGTAA ATATTTACCTTACGCTGGAGCCAAGATCGCTGCGGGGAGTCCCGTGAAGCACCCTGCC CTCTAAGACCTTGAAGGGGAAACACCAGAAGGTGTGGGTGCTGAGCTCCGCTGCGTCAG ACTGCCAGGACCTGAGTGGAACTCAGTGTGAAACCTGNGTTCTCACTGCAGCTGGATAG CAGCTCTGCCGGATGGCCCTAGTCTTCGTGTACGGCACCCCTGAAGCGGNGTCAGCCAAC CACAGGGTCTGCGGGACNGCGCCACGGCTCCGCACCTTTCGGGCGCGGGCCGCACGC TGGAGCCCTACCGTTGGTGATCGCGGGGAGCACAACATCCNGTGGCTGCTGCACCTGC CCGGCTCGNGGCCCTCGTGGAGGGGCGAGTCTACGCNGTAAACGAGCGGATGCTGCGCT TTCTGGAGACTTCGAGAGTGNCGGCCTGTACANCGCACGTGCTGCGGTACGCTGTTGAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_033110
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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><a href="#">NM_033110.1</a></u> , <u><a href="#">NP_149101.1</a></u>
<b>RefSeq Size:</b>	1265 bp
<b>RefSeq ORF:</b>	462 bp
<b>Locus ID:</b>	87769
<b>UniProt ID:</b>	<u><a href="#">Q9BVM4</a></u>
<b>Cytogenetics:</b>	13q32.3

**Gene Summary:**

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]

Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.