

## Recombinant HUMAN A2LD1

**Cat. No.** A2LD1-3035H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | A2LD1                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 153                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</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] |
| <b>Form</b>             | The A2LD1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl. Physical Appearance: Sterile Filtered colorless solution.                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 17,329 Da                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | Greater than 95.0% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>            | Small volumes of A2LD1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's                                                                                                                                                                                  |

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cap. Certain products may require to ship with dry ice.

**Storage**

ACTG-1 although stable at 4 degree C for 1 week, should be stored desiccated below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Warning**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## GENE INFORMATION

**Gene Name**

[A2LD1 AIG2-like domain 1 \[ Homo sapiens \]](#)

**Official Symbol**

A2LD1

**Synonyms**

A2LD1; AIG2-like domain 1; gamma-glutamylaminecyclotransferase; gamma glutamylamine cyclotransferase; GGACT; gamma-glutamylamine cyclotransferase; AIG2-like domain-containing protein 1;

**Gene ID**

[87769](#)

**mRNA Refseq**

[NM\\_001195087](#)

**Protein Refseq**

[NP\\_001182016](#)

**MIM**

[613378](#)

**UniProt ID**

[Q9BVM4](#)

**Chromosome  
Location**

13q32.3

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**Function**

gamma-glutamylcyclotransferase activity; transferase activity, transferring acyl groups;

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