Recombinant Human A2LD1, His-tagged

Cat. No. A2LD1-26036TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human A2LD1 with an N terminal His tag; 173 amino acids with a predicted MWt 19.4kDa including tag.
Species	Human
Source	E.coli
ProteinLength	153 amino acids
Description	The protein encoded by this gene aids in the proteolytic degradation of crosslinked fib rin by breaking down isodipeptide L-gamma-glutamyl-L-epsilon-lysine, a byproduct of fibrin degradation. The reaction catalyzed by the encoded gamma-glutamylaminecycl otransferase produces 5-oxo-L-proline and a free alkylamine. Two transcript variants encoding the same protein have been found for this gene.
Conjugation	HIS
Molecular Weight	19.400kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, pH 8.0

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Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMALVFVYGTLKRGQPNHRVLRDGAHGSAAFRARG RTLEPYPLVIAGEHNIPWLLHLPGSGRLVEGEVYAVDERMLRFLDDFESCPALYQRT VLRVQLLEDRAPGAEEPPAPTAVQCFVYSRATFPPEWAQLPHHDSYDSEGPHGLR YNPRENR
Sequence Similarities	Belongs to the gamma-glutamylcyclotransferase family.

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;
Gene ID	87769
mRNA Refseq	NM_033110
Protein Refseq	NP_149101
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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