

Recombinant Human AIG2-Like Domain 1, His-tagged

Cat. No. A2LD1-964H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human A2LD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	A2LD1, also known as gamma-glutamylaminecyclotransferase, is an enzyme that converts gamma-glutamylamines to free amines and 5-oxoproline. It shows high activity toward gamma-glutamyl-epsilon-lysine, derived from the breakdown of fibrin and other proteins cross-linked by transglutaminases. This protein adopts the newly identified cyclotransferase fold, observed in gamma-glutamylcyclotransferase, an enzyme with a activity toward gamma-glutamyl-alpha-amino acids.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.1M NaCl.
Molecular Weight	19.4 kDa (173aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MALVFVYGT L KRGQPNHRVL RDGAHGSAAF RAR GRTLEPY PLVIAGEHNI PWLLHLP GSG RLVEGEVYAVDERMLRFLDD FESC PALYQR TVLRVQLLED RAPGAEPPA PTAVQCFVYS RATFPPEWAQ LPH HD

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SYDSE GPHGLRYNPR ENR.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

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

Synonyms

AIG2-like domain 1; GGACT; A2LD1;gamma-glutamylaminecyclotransferase; OTTHU-MP00000018653; gamma-glutamylamine cyclotransferase; AIG2-like domain-contain-ing protein 1;EC 2.3.2.4; Gamma-glutamyl-aminecyclotransferase

Gene ID

[87769](#)

mRNA Refseq

[NM_001195087](#)

Protein Refseq

[NP_001182016](#)

MIM

[613378](#)

UniProt ID

[Q9BVM4](#)

**Chromosome
Location**

13q32.3

Function

acyltransferase activity; gamma-glutamylcyclotransferase activity; transferase activity

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