

32-3148: A2LD1 Recombinant Protein

Alternative Name : Gamma-glutamylaminecyclotransferase,GGACT,AIG2-like domain-containing protein 1,A2LD1.

Description

Source : Escherichia Coli. A2LD1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 173 amino acids (1-153 a.a.) and having a molecular mass of 19.4kDa. The A2LD1 is purified by proprietary chromatographic techniques. Gamma-glutamylaminecyclotransferase (A2LD1) is an enzyme which converts gamma-glutamylamines to free amines and 5-oxoproline. A2LD1 demonstrates high activity toward gamma-glutamyl-epsilon-lysine, derived from the breakdown of fibrin and other proteins cross-linked by transglutaminases. A2LD1 assists in the proteolytic degradation of crosslinked fibrin by breaking down isodipeptide L-gamma-glutamyl-L-epsilon-lysine, which is a byproduct of fibrin degradation. The reaction catalyzed by the A2LD1 produces 5-oxo-L-proline and a free alkylamine.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The A2LD1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MALVFVYGTL KRGQPNHRVL RDGAHGSAAF RARGRTLEPY PLVIAGEHNI PWLLHLPGSG RLVEGEVYAV DERMLRFLDD FESCPALYQR TVLRVQLLED RAPGAEPPA PTAVQCFVYS RATFPPEWAQ LPHHDSYDSE GPHGLRYNPR ENR.