

A2LD1, 1-153aa, Human, His tag, E.coli

Cat.NO.: TP01012

3th Edition

Synonyms:Gamma-glutamylaminecyclotransferase; GGACT.

Description:A2LD1, also known as gamma-glutamylaminecyclotransferase, is an enzyme that converts gammaglutamylamines 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.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Molecular Weight:19.4 kDa (173aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMALVFVYGTLKRGQPNHRVLRDGAHGSAAFRARGRTLEPYPLVIAGEHNIPWLLH
LPGSGRLVEGEVYAVDERMLRFLDDFESCPALYQRTVLRVQLLEDRAPGAEEPPAPTAVQCFVYSRATFPPEWAQ
LPHHDSYDSEGP HGLRYNPRENR

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.