

Recombinant Human GGACT, His-tagged

Cat. No. GGACT-7728H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human gammaGlutamylaminecyclotransferase/A2LD1 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1Arg153) of Human A2LD1 fused with a His tag at the Cterminus.
Species	Human
Source	E.coli
Description	GammaGlutamylaminecyclotransferase is an enzyme that converts gammaglutamylamines to free amines and 5oxoproline which belongs to the gammaglutamylcyclotransferase family. It shows high activity toward gammaglutamylepsilonlysine, derived from the breakdown of fibrin and contributes to degradation of proteins crosslinked by transglutaminases. It degrades the crosslink between a lysine and a glutamic acid residue from two proteins that have been crosslinked by transglutaminases. This protein adopts the newly identified cyclotransferase fold, observed in GammaGlutamylcyclotransferase, an enzyme with activity toward gammaglutamylalphaamino acids.
Form	Supplied as a 0.2 µM filtered solution of 20mM TrisHCl, 100mM NaCl, 10% Glycerol, pH 8.0
AA Sequence	MGSSHHHHH SSGLVPRGSH MALVFVYGT L KRGQPNHRVL RDGAHGSAAF RARGRTLEPY PLVIAGEHN IPWLLHLP GS GRLVEGEVYA VDERMLRFLD DFESCPALYQ RTVLRVQLLE D RAPGAEEP PAPTAVQCFV YSRATFPPEW AQLPHHDSYD SEGPHGLRYN PRENR*

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Greater than 95% as determined by reducing SDS-PAGE.
Notes	For research use only.
Storage	Store at less than 20°C. stable for 6 months after receipt. Please minimize freezethaw cycles.

GENE INFORMATION

Gene Name	GGACT gamma-glutamylamine cyclotransferase [Homo sapiens]
Official Symbol	GGACT
Synonyms	GGACT; gamma-glutamylamine cyclotransferase; RP11-151A6.2, A2LD1
Gene ID	87769
MIM	613378
UniProt ID	Q9BVM4
Chromosome Location	13q32.3
Function	gamma-glutamylcyclotransferase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA