Product Name: Recombinant Human GGACT (N-6His)
Catalog #: PEH1435

Summary

Name	r-Glutamylaminecyclotransferase/Ggact
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Gamma-Glutamylaminecyclotransferase is produced by our E.coli expression system and the target gene encoding Met1-Arg153 is expressed with a 6His tag at the N-terminus.
Accession #	Q9BVM4
Host	E.coli
Species	Human
Predicted Molecular Mass	19.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 10% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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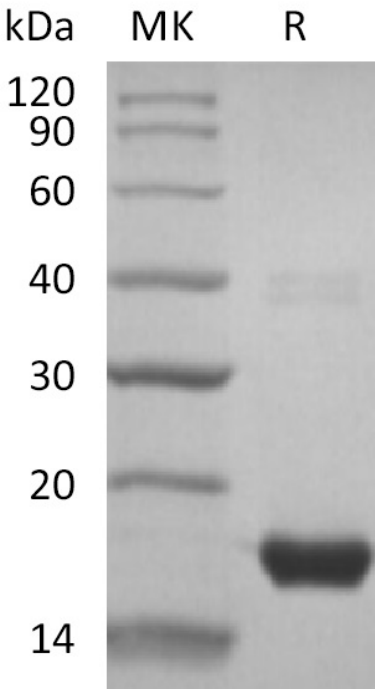

Alternative Names

Gamma-Glutamylaminecyclotransferase; GGACT; AIG2-Like Domain-Containing Protein 1; A2LD1

Background

Gamma-Glutamylaminecyclotransferase is an enzyme that converts gamma-glutamylamines to free amines and 5-oxoproline which belongs to the gamma-glutamylcyclotransferase family. It shows high activity toward gamma-glutamyl-epsilon-lysine, derived from the breakdown of fibrin and contributes to degradation of proteins cross-linked by transglutaminases. It degrades the cross-link between a lysine and a glutamic acid residue from two proteins that have been cross-linked by transglutaminases. This protein adopts the newly identified cyclotransferase fold, observed in Gamma-Glutamylcyclotransferase, an enzyme with activity toward gamma-glutamyl-alpha-amino acids.

Note

For Research Use Only , Not for Diagnostic Use.