

## 32-7206: Recombinant Human gamma-Glutamylaminocyclotransferase/GGACT (N-6His)(Discontinued)

**Gene :** GGACT  
**Gene ID :** 87769  
**Uniprot ID :** Q9BVM4

### Description

Source: E.coli.  
MW :19.5kD.

Recombinant Human gamma-Glutamylaminocyclotransferase 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. Gamma-Glutamylaminocyclotransferase 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 10% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHSSGLVPRGSHMALVFVYGT LKRGQPNHRVLRDGAHGSAAFRARGRTLEPYPLVIAGEHNIPWLLHLPGSGRLVEGEVYAVDERMLRFLDDFESCPALYQRTVLRVQLLEDRAPGAEEPPAPTAVQCFVYSRATFPP EWAQLPHHDSYDSEGP HGLRYNPRENR

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.