



Recombinant Protein Technical Manual

Recombinant Human GGACT Protein (His Tag)

RPES3653

Product Data:

Product SKU: RPES3653

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9BVM4

Protein Information:

Molecular Mass: 19.5 kDa

AP Molecular Mass: 18 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 10% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Gamma-Glutamylaminocyclotransferase; GGACT; AIG2-Like Domain-Containing Protein 1; A2LD1

Immunogen Information:

Sequence: Met 1-Arg153

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.