
**Gamma Hydroxybutyrate
CoA Transferase**

Human, Recombinant, *E. coli*

Cat. No.: RCP9494

Size: 10µg

Synonym: abFT; 4-Hydroxybutyrate CoA-transferase

Description: *Clostridium aminobutyricum* ferments 4-aminobutyrate to acetate and butyrate. One of the enzymes which catalyses this inter conversion of the intermediates is Gamma Hydroxybutyrate CoA Transferase. The amino acid sequence of the enzyme shows close relationships to proteins from the genomes of *Clostridium difficile* and *Porphyromonas ginivalis*. Characterisation of this enzyme from *Clostridium aminobutyricum* has shown it to be largely membrane bound, stable in anaerobic conditions.

RANDOX recombinant Gamma Hydroxybutyrate CoA Transferase comprises a 438 amino acid fragment (1-438) corresponding to the mature Gamma Hydroxybutyrate CoA Transferase protein and is expressed in *E. coli* with an amino-terminal hexahistidine tag. This product is for research use only and is not intended for diagnostic or therapeutic use.

Form: Liquid.
Supplied in 1x Laemmli Buffer (25mM Tris-HCl pH6.8, 50mM DTT, 1% (w/v) SDS, 0.1% (w/v) Bromophenol Blue, 2.5% Glycerol).

Purity: Single band on Western blot.

References: Gerhardt, A. *et al* (2000) *Arch.Microbiol.* **174 (3)** : 189-199.