



Tissue Dissociation Recombinant Enzymes

BRIGHTASE-C/TH



Brightase-C/TH kit is designed for the dissociation of tissues for the establishment of primary cell cultures. The recombinant enzymes are produced by *Brevibacillus* expression system¹ and highly purified by chromatography. Brightase-C/TH kit contains collagenase from *Grimontia hollisae* and thermolysin from *Bacillus thermoproteolyticus rokko*. Each enzyme is provided as a vial to allow adjustments of enzyme ratios for optimization.



Brightase-C (recombinant Collagenase)

Brightase-C contains a recombinant collagenase produced by *Brevibacillus* expression system. It is highly purified, highly stable, endotoxin-free ($\leq 10\text{EU/mg}$), and animal-derived components free.

Organism of origin: *Grimontia hollisae*²

Recombinant production in: *Brevibacillus choshinensis*



Brightase-TH (recombinant Thermolysin)

Brightase-TH contains a recombinant thermolysin produced by *Brevibacillus* expression system. It is highly purified, highly stable, endotoxin-free ($\leq 10\text{EU/mg}$), and animal-derived components free.

Organism of origin: *Bacillus thermoproteolyticus rokko*

Recombinant production in: *Brevibacillus choshinensis*³

References

1. Mizukami et al., *Current Pharmaceutical Biotechnology*, **11**, 251-258 (2010)
2. Teramura et al., *Journal of Bacteriology*, **193**, 3049-3056 (2011)
3. O'Donohue et al., *Biochemical Journal*, **300**, 599-603 (1994)

Product code	Product name	Size
892 431	Brightase-C	40 mg×1 pc.
892 432	Brightase-C	40 mg×2 pcs.
892 441	Brightase-TH	≥ 4 mg×1 pc.
892 442	Brightase-TH	≥ 4 mg×2 pcs.
892 451	Brightase-C/TH	Brightase-C: 40 mg×1 pc. Brightase-C/TH : ≥ 4 mg×1 pc.

Manufactured by



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