

Native *Bacillus licheniformis* Keratinase (Feed Grade)

Keratinase is a class of extracellular proteolytic inducible enzyme that can degrade insoluble keratin substrates by attacking the disulfide (-S-S-) bond of the keratin substrate. These enzymes have a wide range of substrate specificity. It can degrade other fibrous protein fibrin, elastin, collagen and non-fibrous proteins like casein, bovine serum albumin gelatin, etc.

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Description

Keratinases are produced only in the presence of keratin-containing substrate. Keratinase production in various microorganisms has been reported by many researchers. In fungi, Streptomyces and bacteria, keratinase is produced at near alkaline pH and thermophilic temperatures. Keratinase can be broadly applied to the fields of food and feeds, leather, as well as environmental governance.

Product Information

Cat No. FEED-0001	EC No. EC 3.4.21
Source: <i>Bacillus licheniformis</i>	Form: Powder

Applications

- Keratinase is important for hydrolyzing hair, feather, and collagen in sewage system during waste water treatment.
- Keratinase is useful in animal feed preparation, etc.
- Insoluble feather keratin from poultry industry may be converted by enzymatic hydrolysis to glues, feedstuffs, fertilizers, films or used to produce rare amino acids including serine, cysteine, and proline.

Not only the above-mentioned enzymes, Creative Enzymes also provides other [keratinase](#) products for both research and industry use.

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