

## Bovine Type I Collagen Substrate Active Protein

Bovine Type I Collagen Substrate, FITC Conjugate

CATALOG #  
**AAA60516**

### PRODUCT SYNONYMS

Bovine Type I Collagen Substrate; FITC Conjugate; Extracted from bovine skin; Bovine Type I Collagen Substrate active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | Purified protein                                                                                                                                                                                                                                                            |
| Form/Format             | FITC<br>Provided as a 1 mg/ml solution in 0.01M acetic acid.                                                                                                                                                                                                                |
| Immunogen               | Bovine skin                                                                                                                                                                                                                                                                 |
| Functional Analysis     | Activity Assay                                                                                                                                                                                                                                                              |
| Activity                | Used for the assay of mammalian collagenase activity. To heat denature collagen for preparing a substrate for gelatinase, transfer collagen solution to a brown glass bottle and heat to 80 degree C.                                                                       |
| Preparation and Storage | Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles.<br><br>Stable in acidic buffer when stored at -20°C, however slowly degrades when stored in under neutral conditions.<br><br>Shipping conditions: Ship at ambient temperature, freeze upon arrival. |

### ADDITIONAL INFORMATION

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| Related Product Information for Bovine Type I Collagen Substrate active protein | FITC-labeled bovine type I Collagen Substrate is an excellent substrate for examining collagenase activity. This labelled substrate is highly purified and telo-peptide free and is supplied lyophilized. To minimize background levels in collagenase assays, FITC-labeled collagen has been enzymatically pre-treated and further purified by ion-exchange chromatography. FITC-labeled collagen can also be used as a substrate for cell culture. Collagen degradation products in the culture supernatants can be directly determined by measured the fluorescence at 520 nm (Emission)/490 nm (Excitation). |
| Product Categories/Family for Bovine Type I Collagen Substrate active protein   | Purified Protein; Extracellular Matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/active-protein/bovine-type-i-collagen-substrate/60516>