

## Product datasheet

# Recombinant Cow IL-15 protein ab87927

### Description

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| <b>Product name</b>      | Recombinant Cow IL-15 protein  |
| <b>Purity</b>            | > 95 % SDS-PAGE.<br>ab87927 was purified using Ion-exchange chromatography.  |
| <b>Expression system</b> | Yeast  |
| <b>Protein length</b>    | Full length protein  |
| <b>Animal free</b>       | No   |
| <b>Nature</b>            | Recombinant  |
| <b>Species</b>           | Cow  |
| <b>Sequence</b>          | NWQYVINDLK TIEHLIQSIH MDATLYTESD AHPNCKVTAM<br>QCFLLELRVILHESKNATY EIIENLTMLA NSNLSSIENK<br>TELGCKECEE LEEKSIKEFL KSFVHVQMF INTS |

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab87927** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|                     |             |
|---------------------|-------------|
| <b>Applications</b> | SDS-PAGE    |
| <b>Form</b>         | Lyophilized |

### Preparation and Storage

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| <b>Stability and Storage</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.<br>Constituents: 2.68% PBS, 10% Trehalose  |
| <b>Reconstitution</b>        | Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.<br>Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. |

### General Info

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|-----------------|---|
| <b>Function</b> | Cytokine that stimulates the proliferation of T-lymphocytes. Stimulation by IL-15 requires interaction of IL-15 with components of IL-2R, including IL-2R beta and probably IL-2R gamma but |
|-----------------|---|

|                              |   |
|------------------------------|---|
|                              | not IL-2R alpha.  |
| <b>Tissue specificity</b>    | Most abundant in placenta and skeletal muscle. It is also detected in the heart, lung, liver and kidney. IL15-S21AA is preferentially expressed in tissues such as testis and thymus. |
| <b>Sequence similarities</b> | Belongs to the IL-15/IL-21 family.  |
| <b>Cellular localization</b> | Secreted and Cytoplasm. Nucleus. IL15-S21AA is not secreted, but rather is stored intracellularly, appearing in the nucleus and cytoplasmic components.                               |

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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