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## Datasheet for ABIN7533831 ISG15 Protein

### Overview

|               |                            |
|---------------|----------------------------|
| Quantity:     | 50 µg                      |
| Target:       | ISG15                      |
| Origin:       | Human                      |
| Source:       | Escherichia coli (E. coli) |
| Protein Type: | Recombinant                |

### Product Details

|                  |                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Recombinant Human ISG15 Protein                                                                                                                                                   |
| Sequence:        | GWDLTVKMLA GNEFQVSLSS SMSVSELKAQ ITQKIGVHAF QQRLAVHPSG VALQDRVPLA<br>SQGLGPGSTV LLVVDKCEP LSILVRNKNK RSSTYEVRLT QTV AHLKQQV SGLEGVQDDL<br>FWLTFEGKPL EDQLPLGEYG LKPLSTVFMN LRLRGG |
| Specificity:     | Gly2-Gly157                                                                                                                                                                       |
| Purity:          | > 97 % by SDS-PAGE.                                                                                                                                                               |
| Sterility:       | 0.22 µm filtered                                                                                                                                                                  |
| Endotoxin Level: | < 1.0 EU/µg of the protein by LAL method.                                                                                                                                         |

### Target Details

|                   |                                                                                                                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | ISG15                                                                                                                                                                                         |
| Alternative Name: | ISG15 ( <a href="#">ISG15 Products</a> )                                                                                                                                                      |
| Background:       | Description: The protein is a ubiquitin-like protein that is conjugated to intracellular target proteins upon activation by interferon-alpha and interferon-beta. Several functions have been |

## Target Details

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ascribed to the encoded protein, including chemotactic activity towards neutrophils, direction of ligated target proteins to intermediate filaments, cell-to-cell signaling, and antiviral activity during viral infections. While conjugates of this protein have been found to be noncovalently attached to intermediate filaments, this protein is sometimes secreted.

Name: G1P2, IFI15, IMD38, IP17, UCRP, hUCRP, ISG15, IFI15, IMD38, IP17, UCRP, hUCRP

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Gene ID: 9636

UniProt: [P05161](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of 50 mM HEPES, 100 mM NaCl, pH 7.5.

Storage: -20 °C, -80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.