

## Ubiquitin-like protein ISG15

Catalog No: #AP79031

Package Size: #AP79031-1 50ug #AP79031-2 100ug #AP79031-3 1mg

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## Description

Product Name	Ubiquitin-like protein ISG15
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Bovine
Immunogen Description	Recombinant protein
Other Names	G1P2,ISG17,UCRP,Interferon-stimulated gene product 17,Ubiquitin cross-reactive protein,BoUCRP
Accession No.	O02741Gene name:ISG15
Uniprot	O02741
GeneID	281871;
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Ubiquitin-like protein which plays a key role in the innate immune response to viral infection either via its conjugation to a target protein (ISGylation) or via its action as a free or unconjugated protein. ISGylation involves a cascade of enzymatic reactions involving E1, E2, and E3 enzymes which catalyze the conjugation of ISG15 to a lysine residue in the target protein. Exhibits antiviral activity towards both DNA and RNA viruses. The secreted form of ISG15 can: induce natural killer cell proliferation, augment lymphokine-activated-killer (LAK) activity, induce dendritic cell maturation, act as a chemotactic factor for neutrophils and act as a IFN-gamma-inducing cytokine playing an essential role in antimycobacterial immunity (By similarity). In response to IFN-tau secreted by the conceptus, may ligate to and regulate proteins involved in the release of prostaglandin F<sub>2</sub>-alpha (PGF), and thus prevent lysis of the corpus luteum and maintain the pregnancy.

## References

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Note: This product is for in vitro research use only