

## Recombinant Human ISG15 Protein, GST-tagged

Cat. No. ISG15-987H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ISG15 Protein(NP_005092.1)(1-165 aa) is expressed from E. coli with a GST Tag at the N-terminal.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-165 aa
<b>Description</b>	The protein encoded by this gene is a ubiquitin-like protein that is conjugated to intracellular target proteins upon activation by interferon-alpha and interferon-beta. Several functions have been 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.
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
<b>Bio-activity</b>	Not tested.
<b>AA Sequence</b>	MGWDLTVKMLAGNEFQVSLSSSMSVSELKAQITQKIGVHAFQQRLAVHPSGVALQD RVPLASQGLGPGSTVLLVVDKCDLPLNLRNNGRSSTYEVRLTQTVAHLKQQVS

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GLEGVQDDLFWLT FEGKPLEDQLPLGEYGLKPLSTVFMNLRRLRGGGTEPGGRS

**Endotoxin** <1.0EU per 1g (determined by the LAL method)

**Purity** 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.

**Applications** Blocking peptide

**Stability** Store for up to 12 months at -20°C to -80°C as lyophilized powder.

**Storage**  
 Short-term storage: Store at 2-8°C for (1-2 weeks).  
 Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**  
 Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).  
 If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).  
 Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

**Shipping** The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature (see below).

## GENE INFORMATION

**Gene Name** ISG15

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<b>Official Symbol</b>	ISG15
<b>Synonyms</b>	G1P2; IFI15; UCRP
<b>Gene ID</b>	9636
<b>mRNA Refseq</b>	NM_005101.4
<b>Protein Refseq</b>	NP_005092.1
<b>MIM</b>	147571
<b>UniProt ID</b>	P05161

**SDS-PAGE of ISG15-987H**



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