

Recombinant Human ISG15 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ISG15 Protein(NP_005092.1)(1-165 aa) is expressed from E. coli with a GST Tag at the N-terminal.
Species	Human
Source	E.coli
ProteinLength	1-165 aa
Description	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.
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
Bio-activity	Not tested.
AA Sequence	MGWDLTVKMLAGNEFQVSLSSSMSVSELKAQITQKIGVHAFQQRLAVHPSGVALQD RVPLASQGLGPGSTVLLVVDKCDEPLNILVRNNKGRSSTYEVRLTQTVAHLKQQVS

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	GLEGVQDDLFWLTFEGKPLEDQLPLGEYGLKPLSTVFMNLRRLRGGGTEPGGRS
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 µg/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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Official Symbol	ISG15
Synonyms	G1P2; IFI15; UCRP
Gene ID	9636
mRNA Refseq	NM_005101.4
Protein Refseq	NP_005092.1
MIM	147571
UniProt ID	P05161
SDS-PAGE of ISG15-987H 	