

Active Recombinant Human ISG15 Protein (Met1-Gly156, C78S, G157C), C-6×His tagged

Cat. No. ISG15-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ISG15 AMC Protein (Met1-Gly156, C78S, G157C) with a C-terminal 6-His tag (C-terminal AMC derivatized protein) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Gly156
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.
Bio-activity	This fluorogenic substrate for ISG15 hydrolases is based on the carboxy-terminus derivatization of ISG15 with 7-amido-4-methylcoumarin (AMC). Release of AMC fluorescence can be monitored with an excitation wavelength of 380 nm and an emission wavelength of 460 nm. Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human ISG15 AMC concentration of 0.1-1 μM.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	18 kDa
Storage	Protect from light. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 µm filtered solution in HEPES, NaCl, Glycerol and DTT.
Shipping	The product is shipped with dry ice or equivalent.

GENE INFORMATION

Gene Name	ISG15 ISG15 ubiquitin like modifier [Homo sapiens (human)]
Official Symbol	ISG15
Synonyms	ISG15; ISG15 ubiquitin like modifier; G1P2; IP17; UCRP; IFI15; IMD38; hUCRP; ubiquitin-like protein ISG15; interferon, alpha-inducible protein (clone IFI-15K); interferon-induced 17-kDa/15-kDa protein; interferon-stimulated protein, 15 kDa; ubiquitin cross-reactive protein
Gene ID	9636
mRNA Refseq	NM_005101
Protein Refseq	NP_005092
MIM	147571
UniProt ID	P05161

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