

Product datasheet for **TP301235**

ISG15 (NM_005101) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ISG15 ubiquitin-like modifier (ISG15), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201235 protein sequence Red =Cloning site Green =Tags(s)
	 MGWDLTVKMLAGNEFQVSLSSSMSVSELKAQITQKIGVHAFQQLAVHPSGVALQDRVPLASQGLGPGST VLLVWDKCDEPLNILVRNKNKGRSSTYEVRLTQTV AHLKQQVSGLEGVQDDLFWLTFEGKPLEDQLPLGEY GLKPLSTVFMNLRRLRGGGTEPGGRS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	17.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005092
Locus ID:	9636
UniProt ID:	P05161
RefSeq Size:	685



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Cytogenetics: 1p36.33

RefSeq ORF: 495

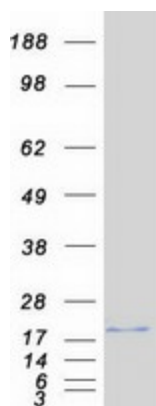
Synonyms: G1P2; hUCRP; IFI15; IMD38; IP17; UCRP

Summary: 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. [provided by RefSeq, Dec 2012]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: RIG-I-like receptor signaling pathway

Product images:



Coomassie blue staining of purified ISG15 protein (Cat# TP301235). The protein was produced from HEK293T cells transfected with ISG15 cDNA clone (Cat# [RC201235]) using MegaTran 2.0 (Cat# [TT210002]).