

Product datasheet for PH301235

ISG15 (NM_005101) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ISG15 MS Standard C13 and N15-labeled recombinant protein (NP_005092)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201235
Predicted MW:	17.9 kDa
Protein Sequence:	>RC201235 protein sequence Red =Cloning site Green =Tags(s) MGWDLTVKMLAGNEFQVLSSSMSVSELKAQITQKIGVHAFQQLAVHPSGVALQDRVPLASQGLGPGST VLLVVDKCDDEPLNILVRNNKGRSSTYEVRLTQTV AHLKQQVSGLEGVQDDLFWLTFEGKPLEDQLPLGEY GLKPLSTVFMNLRRLRGGGTEPGGRS TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005092
RefSeq Size:	685
RefSeq ORF:	495
Synonyms:	G1P2; hUCRP; IF115; IMD38; IP17; UCRP
Locus ID:	9636
UniProt ID:	P05161



[View online »](#)

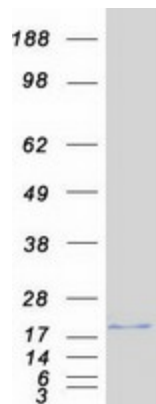
Cytogenetics: 1p36.33

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]).