

RPES8002

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**Product Information**

<b>Product SKU:</b>	RPES8002	<b>Expression Host:</b>	E.coli	<b>Size:</b>	20µg
<b>Tag:</b>	N-Sumo	<b>Reactivity:</b>	Human	<b>Accession:</b>	P05161

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**Additional Information**

<b>Calculated MW:</b>	30.2 kDa	<b>Observed MW:</b>	33 kDa
<b>Sequence:</b>	Met1-Gly157		

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**Protein Information**

**Background:** ISG15 (interferon-induced 15 kDa protein, also known as IP17) is a 15 kDa ubiquitin family protein that is expressed by a wide variety of cell types. ISG15 is induced by type-I IFN, and like ubiquitin, becomes conjugated to intracellular proteins. Unlike ubiquitin, it does not target proteins for degradation. Instead, it is part of the antiviral response. Human proISG15 is 165 amino acids (aa) in length. There are two ubiquitin-like domains (aa 2-78 and 79-157) and a propeptide (aa 158-165) that is cleaved intracellularly. Select blood mononuclear cells secrete mature ISG15, which is chemotactic for neutrophils. Mature Human ISG15 is 66% aa identical to Mouse ISG15.

**Synonyms:** G1P2, hUCRP, IFI 15, IFI15, Interferon alpha inducible protein, Interferon induced protein 15, Interferon induced protein IFI-15K, Interferon stimulated protein 15 kDa, Interferon, alpha-inducible protein (clone IFI-15K), Interferon-induced 15 kDa protein, Interferon-induced 17 kDa protein, Interferon-induced 17-kDa/15-kDa protein, IP17, ISG 15, ISG15, ISG15 ubiquitin like modifier, ISG15, Ubiquitin cross-reactive protein, Ubiquitin-like protein ISG15, UCRP

**Endotoxin:** < 10 EU/mg of the protein as determined by the LAL method

**Formulation:** Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

**Purity:** > 90% as determined by reducing SDS-PAGE.

**Bio-Activity:** Not validated for activity

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**Storage:**

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.