

IFI27L2A Protein, Mouse (Cell-Free, His)

Cat. No.:	HY-P702333
Synonyms:	Interferon alpha-inducible protein 27-like protein 2A; Interferon-stimulated gene 12 protein; ISG12
Species:	Mouse
Source:	E. coli Cell-free
Accession:	Q8R412 (A25-L90)
Gene ID:	76933
Molecular Weight:	7.3 kDa

PROPERTIES

AA Sequence	A M G F T G T G I A A A S I A A K M M S A A A I A N G G G V A A G S L V A T L Q S A G V L G L S T S T N A I L G A A G A A V G A L L
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>IFI27L2A Protein appears to play a crucial role in the interferon-induced negative regulation of transcriptional activity associated with NR4A1, NR4A2, and NR4A3, achieved by enhancing the XPO1-mediated nuclear export of these nuclear receptors. This interaction suggests a potential involvement in mediating cellular responses, particularly in the vascular context where the regulation of NR4A1 transcriptional activity may contribute to the response to injury. The homodimeric nature of IFI27L2A, along with its interactions with SKP2, NR4A1, and potentially BCL2, further underscores its multifaceted roles in cellular processes, emphasizing its significance in the intricate regulatory networks governing gene expression and cellular responses. Unraveling the detailed mechanisms by which IFI27L2A orchestrates these interactions could provide valuable insights into its functional significance and potential implications in various biological contexts.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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