

## PYHIN1 Protein, Human (FLAG)

Cat. No.:	HY-P701994
Synonyms:	PYHIN1; Pysin and HIN domain-containing protein 1; Interferon-inducible protein X
Species:	Human
Source:	E. coli
Accession:	Q6K0P9 (M1-P492)
Gene ID:	149628
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	PYHIN1 Protein emerges as a key mediator in breast cancer cells, playing a pivotal role in amplifying the tumor suppressor activity of IFN. It facilitates the ubiquitination and subsequent degradation of MDM2, resulting in the stabilization of p53/TP53. Additionally, PYHIN1 promotes the ubiquitination and subsequent degradation of HDAC1, leading to increased maspin expression and a reduction in the invasive activity of cancer cells. Its interaction with MDM2 underscores its intricate involvement in regulatory pathways critical for cancer cell behavior.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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