

## Product datasheet for **AR51934PU-S**

### IFI60 / IFIT3 (1-490, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	IFI60 / IFIT3 (1-490, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSEVTKN SLEKILPQLK CHFTWNLNFK E DSVSRDLEDR VCNQIEFLNT EFKATMYNLL AYIKHLDGNN EAALECLRQA EELIQQEHAD QAEIRSLVTW GNYAWVYYHL GRLSDAQIYV DKVKQTCKKF SNPYSIEYSE LDCEEGWTQL KCGRNERAKV CFEKALEEKP NNPEFSSGLA IAMYHLDNHP EKQFSTDVLK QAIELSPDNQ YVKVLLGLKL QKMNKEAEGE QFVEEALEKS PCQTDVLRSA AKFYRRKGD LDKAIELFQRV LESTPNNGYL YHQIGCCYKA KVRQMONTGE SEASGNKEMI EALKQYAMDY SNKALEKGLN PLNAYSDLAE FLETECYQTP FNKEVPDAEK QQSHQRYCNL QKYNKSEDT AVQHGLEGLS ISKKSTDKEE IKDQPQNVSE NLLPQNAPNY WYLQGLIHKQ NGDLLQAAKC YEKELGRLLR DAPSGIGSIF LSASELEDGS EEMGQGAVSS SPRELLSNSE QLN
Tag:	His-tag
Predicted MW:	58.4 kDa
Concentration:	lot specific
Purity:	>80% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate buffered saline (pH 7.4) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001026853</a>
Locus ID:	3437
UniProt ID:	<a href="#">O14879</a> , <a href="#">Q5T765</a>
Cytogenetics:	10q23.31

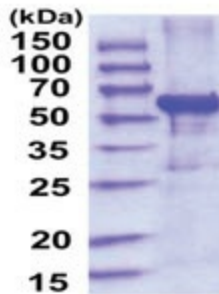


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**Synonyms:** CIG-49; cig41; GARG-49; IFI60; IFIT4; IRG2; ISG60; P60; RIG-G

**Summary:** IFN-induced antiviral protein which acts as an inhibitor of cellular as well as viral processes, cell migration, proliferation, signaling, and viral replication. Enhances MAVS-mediated host antiviral responses by serving as an adapter bridging TBK1 to MAVS which leads to the activation of TBK1 and phosphorylation of IRF3 and phosphorylated IRF3 translocates into nucleus to promote antiviral gene transcription. Exhibits an antiproliferative activity via the up-regulation of cell cycle negative regulators CDKN1A/p21 and CDKN1B/p27. Normally, CDKN1B/p27 turnover is regulated by COPS5, which binds CDKN1B/p27 in the nucleus and exports it to the cytoplasm for ubiquitin-dependent degradation. IFIT3 sequesters COPS5 in the cytoplasm, thereby increasing nuclear CDKN1B/p27 protein levels. Upregulates CDKN1A/p21 by downregulating MYC, a repressor of CDKN1A/p21. Can negatively regulate the apoptotic effects of IFIT2.[UniProtKB/Swiss-Prot Function]

**Product images:**



15% SDS-PAGE (3ug)