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**Product Data Sheet**


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Product Name: IFIT3 Human  
 Cat. No.: GP20379  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	IFN-Induced Protein With Tetratricopeptide Repeats 3; IFN-Induced Protein With Tetratricopeptide Repeats 4; IFIT4; Retinoic Acid-Induced Gene G Protein; IFN-Induced 60 KDa Protein; IFI-60K; CIG-49; IFIT-3; IFIT-4; ISG-60; CIG49; IFI60; ISG60; RIG-G; P60; GARG-49; IRG2; IFN-induced protein with tetratricopeptide repeats 3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSEVTKN SLEKILPQLK CHFTWNLFKE DSVSRDLEDR VCNQIEFLNTEFKATMYNLL AYIKHLDGNN EAALECLRQA EELIQQEHAD QAEIRSLVTW GNYAWVYYHL GRLSDAQIYVDKVKQTCKKF SNPYSIEYSE LDCEEGWTQL KCGRNERAKV CFEKALEEKP NNPEFSSGLA IAMYHLDNHPEKQFSTDVLK QAIELSPDNQ YVKVLLGLKL QKMNKEAEGE QFVEEALEKS PCQTDVLRSA AKFYRRKGDLDKAIELFQRV LESTPNNGYL YHQIGCCYKA KVRQMONTGE SEASGNKEMI EALKQYAMDY SNKALEKGLNPLNAYSDLAE FLETECYQTP FNKEVPDAEK QQSHQRYCNL QKYNGKSEDV AVQHGLEGLS ISKSTDKEEIKDQPQNVSE NLLPQNAPNY WYLQGLIHKQ NGDLLQAAKC YEKELGRLLR DAPSGIGSIF LSASELEDGSEEMGQGAVSS SPRELLSNSE QLN.		
Formulation	IFIT3 protein solution (1mg/ml) containing Phosphatebuffered saline (pH7.4), 20% glycerol and 1mM DTT.		

**Introduction**

IFN-Induced Protein With Tetratricopeptide Repeats 3, also known as IFIT3 is a member of the IFIT family. IFN-induced antiviral protein which performs as an inhibitor of cellular and viral processes, cell migration, proliferation, signaling, as well as viral replication. Furthermore, IFIT3 is significantly induced upon RNA virus infection. Ectopic expression or alternatively knockdown of IFIT3 might, respectively, enhance or impair IRF3-

**Caution: Product has not been fully validated for medical applications. For research use only.**

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mediated gene expression.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

IFIT3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 513 amino acids (1-490 a.a) and having a molecular mass of 58.4kDa. IFIT3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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