

Recombinant human IFIT3 protein

Catalog Number: ATGP3114

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-490aa

UniProt No.

O14879

NCBI Accession No.

NP_001540

Alternative Names

Interferon-induced protein with tetratricopeptide repeats 3 isoform a, CIG-49, GARG-49, IFI60, IFIT4, IRG2, ISG60, P60, RIG-G

PRODUCT SPECIFICATION

Molecular Weight

58.4 kDa (513aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

IFIT3 also known as Interferon-induced protein with tetratricopeptide repeats 3 isoform a. IFN-induced antiviral protein which acts as an inhibitor of cellular as well as viral processes, cell migration, proliferation, signaling, and viral replication. IFIT3 is significantly induced upon RNA virus infection. Ectopic expression or knockdown of IFIT3 could, respectively, enhance or impair IRF3-mediated gene expression. Recombinant human IFIT3 was expressed in E. coli and purified by using conventional chromatography techniques

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Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGS>MSEVTKN SLEKILPQLK CHFTWNLFKE DSVSRDLEDR VCNQIEFLNT
EFKATMYNLL AYIKHLDGNN EAALECLRQA EELIQQEHAD QAEIRSLVTW GNYAWVYYHL GRLSDAQIYV DKVKQTCKKF
SNPYSIEYSE LDCEEGWTQL KCGRNERAKV CFEKALEEKP NNPEFSSGLA IAMYHLDNHP EKQFSTDVLK QAIELSPDNQ
YVKVLLGLKL QKMNKEAEGE QFVEEALEKS PCQTDVLRSA AKFYRRKGDL DKAIELFQRV LESTPNNGYL YHQIGCCYKA
KVRQMONTGE SEASGNKEMI EALKQYAMDY SNKALEKGLN PLNAYSDLAE FLETECYQTP FNKEVPDAEK QQSHQRYCNL
QKYNGKSEDT AVQHGLEGLS ISKKSTDKEE IKDQPQNVSE NLLPQNAPNY WYLQGLIHKQ NGDLLQAAKC YEKELGRLLR
DAPSGIGSIF LSASELEDGS EEMGQGAVSS SPRELLNSE QLN

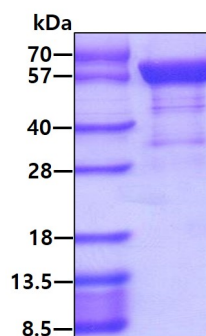
General References

Fensterl V., et al. (2011) J. Interferon Cytokine Res. 31:71-78.

Liu X.Y., et al. (2011) J. Immunol. 187:2559-2568.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.