

Recombinant *P. alecto* IFIT1 Protein, His-tagged

Cat. No. IFIT1-48P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>P. alecto</i> IFIT1 protein with a His-tag was expressed in <i>E. coli</i>
Species	<i>P. alecto</i>
Source	<i>E. coli</i>
Description	This gene encodes a protein containing tetratricopeptide repeats that was originally identified as induced upon treatment with interferon. The encoded protein may inhibit viral replication and translational initiation. This gene is located in a cluster on chromosome 10 with five other closely related genes. There is a pseudogene for this gene on chromosome 13. Alternatively spliced transcript variants encoding multiple isoforms have been observed.
Molecular Mass	The protein has a calculated MW of 68.4 kDa.
AA Sequence	MGSSHHHHHSSGMSDQEAKPSTEDLGDKKEGEYIKLVIGQDSSEIHFVKVMTTH LKKLKESYCQRQGVPMNSLRFLFEGQRIADNHTPKELGMEEDVIEVYQEQTGGAT YMSKNADEDQVKDRLEQLRCHFTWKLLIEDTEITDLENRVFDEIEFLDIKYNVGIHNL AYIKHLKGQNKEALESKEAETLIQQERTNQSNTKRLVTWGNyawlyyHMGSLGEV QIYLDKVENTCKKLASPSCCRLECPMDCEEGWALLKCGGKNYERAKACFEKALEA DPENPEFNTGYAITMFRLD SFHKETQFKEAFSLHPLKQAIRLNPEDAYIKALLGLKLQ DVGEQAEGQKYIEEALTKMSSQTYVFRYAAMFYRRKGSVDKALQLLKTALQATPSS AFLHHQIGLCYRSQVRQIKKTAKWQPRGQDRENVNRITRLAIFHFETLTKQKPTFEIA YKHLADMYIEAGNYEKAEDTYQKVLRLKKLDKEVLQEIFYYGQFQEFQRKSEIDAIY

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YLKAIKIENQSYSRDKSISSLEKLVLRLRRNGSDIESLSILGFIYKLGEMNEALEYYE
QALKLAADFESFV

Purity >90% by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.125 mg/mL

Storage Buffer PBS pH7.4, 1mM EDTA

GENE INFORMATION

Gene Name LOC102878285 interferon-induced protein with tetratricopeptide repeats 1 [Pteropus alecto (black flying fox)]

Official Symbol IFIT1

Synonyms LOC102878285; interferon-induced protein with tetratricopeptide repeats 1; IFIT1; interferon-induced protein with tetratricopeptide repeats 1; Interferon-induced protein with tetratricopeptide repeat 1

Gene ID 102878285

mRNA Refseq XM_006925964

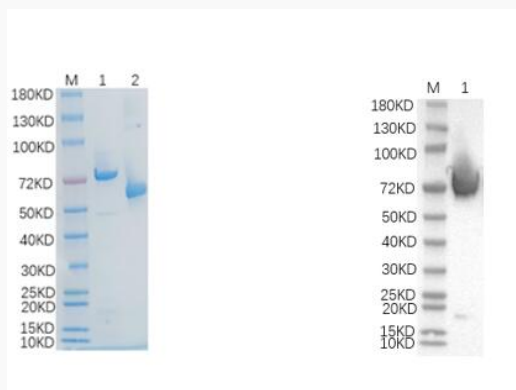
Protein Refseq XP_006926026

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SDS-PAGE:



Reducing 12% SDS-PAGE and WB analysis profile of purified P.alecto IFIT1

1. P.alecto IFIT1

2. BSA