

Datasheet for ABIN7548632
IRF5 Protein (AA 1-498) (His tag)



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Overview

Quantity:	1 mg
Target:	IRF5
Protein Characteristics:	AA 1-498
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IRF5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat IRF5 Protein expressed in mammalian cells.
Sequence:	<p>MNQSIPVAPT PRRVRLKPW LVAQVNSCQY PGLQWVNGEK KLFCIPWRHA TRHGPSQDGD NTIFKAWEAKE TGKYTEGVDE ADPAKWKANL RCALNKSDF RLIYDGPRDM PPQPYKIYEV CSNGPAPTDS QPPEDYSFGA GEEEEEEEL QRMLPSLSLT EDVKWPPTLQ PPTLRPPTLQ PPTLQPPVVL GPPAPDPSPL APPPGNPAGF RELLSEVLEP GPLPASLPPA GEQLLPDLLI SPHMLPLTDL EIKFYRGRP PRALTISNPH GCRLFYSQLE ATQEVELFG PISLEQVRFP SPEDIPSDKQ RFYTNQLLDV LDRGLILQLQ QGDLYAIRLC QCKVFWSGPC ASAHDSQNP IQREVKTCLF SLEHFLNELI LFQKGQTNT PPFEIFFCFG EEWPDRKPRE KKLITVQVVP VAARLLLEMF SGELSWADS IRLQISNPD LKDRMVEQFKE LHHIWSQQR LQPVAQAPP AGLGVGQGPW PMHPAGMQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

IRF5

Alternative Name:

IRF5 ([IRF5 Products](#))

Background:

Interferon regulatory factor 5 (IRF-5),FUNCTION: Transcription factor that plays a critical role in innate immunity by activating expression of type I interferon (IFN) IFNA and IFNB and inflammatory cytokines downstream of endolysosomal toll-like receptors TLR7, TLR8 and TLR9 (PubMed:11303025, PubMed:15695821, PubMed:22412986, PubMed:25326418, PubMed:32433612). Regulates the transcription of type I IFN genes (IFN-alpha and IFN-beta) and IFN-stimulated genes (ISG) by binding to an interferon-stimulated response element (ISRE) in their promoters (By similarity). Can efficiently activate both the IFN-beta (IFNB) and the IFN-alpha (IFNA) genes and mediate their induction downstream of the TLR-activated, MyD88-dependent pathway (By similarity). Key transcription factor regulating the IFN response during SARS-CoV-2 infection (PubMed:33440148). {ECO:0000250|UniProtKB:P56477, ECO:0000269|PubMed:11303025, ECO:0000269|PubMed:15695821, ECO:0000269|PubMed:22412986, ECO:0000269|PubMed:25326418, ECO:0000269|PubMed:32433612, ECO:0000269|PubMed:33440148}.

Target Details

Molecular Weight:	56.0 kDa
UniProt:	Q13568
Pathways:	TLR Signaling , Autophagy

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months