

Datasheet for ABIN7556477
IRF5 Protein (AA 1-497) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | IRF5 |
| Protein Characteristics: | AA 1-497 |
| Origin: | Mouse |
| 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>MNHSAPGIPP PPRRVRLKPW LVAQVNSCQY PGLQWVNGEK KLFYIPWRHA TRHGPSQDGD NTIFKAWAKE TGKYTEGVDE ADPAKWKANL RCALNKS RDF QLFYDGPRDM PPQPYKIYEV CSNGPAPTES QPTDDYVLGE EEEEEEEELQ RMLPGLSITE PALPGPPNAP YSLPKEDTKW PPALQPPVGL GPPVPDPNLL APPSGNPAGF RQLLPEVLEP GPLASSQPPT EPLLPDLLIS PHMLPLTDLE IKFYRGRAP RTLTISNPQG CRLFYSQLEA TQEQVELFGP VTLEQVRFPS PEDIPSDKQR FYTNQLLDVL DRGLILQLQG QDLYAIRLCQ CKVFWSGPCA LAHGSCPNPI QREVKTCLFS LEQFLNELIL FQKGQTNTTP PFEIFFCFGE EWPVDVKPREK KLITVQVVPV AARLLEMFSGELSW SADSRLQISNPDLK DHMVEQFKEL HHLWQSQQQL QPMVQAPPVA GLDASQGPWP MHPVGMQ</p> <p>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:15665823). 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 (PubMed:15665823). 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 (PubMed:15665823). {ECO:0000269|PubMed:15665823}.

Molecular Weight:

56.0 kDa

UniProt:

[P56477](#)

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 |