



Recombinant Mouse IRF5 Protein Product Manual

1. Product Basic Information

Product No.: REP07246

Protein Name: Interferon Regulatory Factor 5 (IRF5)

Aliases: interferon regulatory factor 5

UniProt ID: Q13568

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13568/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length (1-497aa)

Molecular Weight: 72.0kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-497aa)

MNHSAPGIPPPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFYIPWRHATRHG
PSQDGDNTIFKAWAKETGKYTEGVDEADPAKWKANLRCALNKS RDFQLFYDGPRD
MPPQPYKIYEVCSNGPAPTESQPTDDYVLGEEEEEEEEELQRMLPGLSITEPALPG
PPNAPYSLPKEDTKWPPALQPPVGLGPPVPDPNLLAPPSGNPAGFRQLLPEVLEPG
PLASSQPPTPELLPDLLISPHMLPLTDLEIKFYRGRAPRTLISNPQGCRLFYSQL
ATQEQVELFGPVTLEQVRFPSPEDIPSDKQRFYTNQLLDVLDRLGLILQLQGQDLYAI
RLCQCKVFWSGPCALAHGSCPNPIQREVKTCLFSLEQFLNELILFQKGQTNTPPPFE
IFFCFGEEWPDVKPREKKLITVQVVPVAARLLLEMFSGELSWADSIRLQISNPDLKD
HMVEQFKELHHLWQSQQQLQPMVQAPPVAGLDASQGPWPMHPVGMQ

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse IRF5 full length protein (1-497aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. IRF5, also known as interferon regulatory factor 5, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.