

32-8137: Recombinant Human Interferon Regulatory Factor 5/IRF5 (C-6His)

Gene : IRF5
Gene ID : 3663
Uniprot ID : Q13568

Description

Source: E. coli.
MW :57.1kD.

Recombinant Human Interferon Regulatory Factor 5 is produced by our E.coli expression system and the target gene encoding Met1-Gln498 is expressed with a 6His tag at the C-terminus. Interferon Regulatory Factor 5 (IRF5) is a member of the IRF family. It contains one IRF tryptophan pentad repeat DNA-binding domain. IRF5 shuttles between the nucleus and the cytoplasm. IRF5 can form homodimer when it is phosphorylated. IRF5 functions as a transcription factor involved in the induction of interferons IFNA and INFB and inflammatory cytokines upon virus infection. Genetic variations in IRF5 are associated with susceptibility to systemic lupus erythematosus type 10. In addition, the genetic variations will result in susceptibility to rheumatoid arthritis.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MNQSIPVAPTPPRRVRLKPWLVAQVNSCQYPGLQWVNGEKKLFCIPWRHATRHGPSQDGDNTIFKAWAKETG
KYTEGVDEADPAKWKANLRCALNKSDFRLIYDGPDMPPQPYKIYEVCSNGPAPTDSPPEYDFGAGEEEE
EEEELQRMLPSLSLTEDVKWPPTLQPPTLRPPTLQPPTLQPPVVLGPPAPDPSPLAPPPGNPAGFRELLSEVLEPG
PLPASLPPAGEQLLPDLLISPHMLPLTDLEIKFYRGRPPRALTISNPHGCRLFYSQLQEQVLEFGPISLEQVR
FSPEDIPSDKQRFYTNQLLDVLDRLGLQLQGQDLYAIRLCQCKVFWSGPCASAHDCSNPIQREVTKLFLSLE
HFLNELILFQKGTNTPPPEIFFCFGEEWPDRKPREKKLITVQVVPVAARLLLEMFSGELSWADSIRLQISNPD
LKDRMVEQFKELHHIWQSQRQLQPVAQAPPAGLVGVGQGPWPMHPAGMQLEHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.