

Product datasheet

Recombinant Human IRF5 protein ab173024

Overview

Product name	Recombinant Human IRF5 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	Q13568-1
Species	Human

Sequence	<p>MNQSIPVAPTPRRVRLKPWLVAQVNSCQYPGLQWV NGEKKLFCIPWRHA TRHGPSQDGDNTIFKAWAKETGKYTEGVDEADPAKW KANLRCALNKSRDF RLIDGPRDMPPQPYKIYEVCSNGPAPTDSQPPEDYSF GAGEEEEEEEEL QRMLPSLSLTEDVKWPPTLQPPTLRPPTLQPPTLQPP VVLGPPAPDPSPL APPPGNPAGFRELLSEVLEPGPLPASLPPAGEQLLPD LLISPHMLPLTDL EIKFQYRGRPPRALTISNPHGCRLFYSQLEATQEQVEL FGPISEQVRFP SPEDIPSDKQRFYTNQLLDVLDRLGLILQLQGQDLYAIRL CQCKVFWSGPC ASAHDSNPNPIQREVKTCLFSLEHFLNELILFQKGGTNT PPPFEIFFCFG EEWPDRKPREKKLITVQVVPVAARLLLEMFSGELSWS ADSIRLQISNPD KDRMVEQFKELHHIWQSQQRLQPVAQAPPGAGLGVG QGPWPMHPAGMQ</p>
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Molecular weight	57 kDa including tags
Amino acids	1 to 498
Tags	His tag C-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab173024** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC SDS-PAGE
Endotoxin level	< 1.000 Eu/ μ g
Purity	>95% by SDS-PAGE . Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituent: 100% PBS Supplied as a 0.2 μ m filtered solution.
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General Info

Involvement in disease	<p>Genetic variations in IRF5 are associated with susceptibility to inflammatory bowel disease type 14 (IBD14) [MIM:612245]. IBD14 is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may affect any part of the gastrointestinal tract from the mouth to the anus, but most frequently it involves the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints.</p> <p>Genetic variations in IRF5 are associated with susceptibility to systemic lupus erythematosus type 10 (SLEB10) [MIM:612251]. Systemic lupus erythematosus (SLE) is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.</p> <p>Genetic variations in IRF5 are a cause of susceptibility to rheumatoid arthritis (RA) [MIM:180300]. It is a systemic inflammatory disease with autoimmune features and a complex genetic component. It primarily affects the joints and is characterized by inflammatory changes in the synovial membranes and articular structures, widespread fibrinoid degeneration of the collagen fibers in mesenchymal tissues, and by atrophy and rarefaction of bony structures.</p>
Sequence similarities	Belongs to the IRF family. Contains 1 IRF tryptophan pentad repeat DNA-binding domain.
Cellular localization	Nucleus.

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