

Recombinant Human ILF2, His-tagged

Cat. No. ILF2-29033TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 25-390 of Human ILF2 with an N terminal His tag; Predicted MWt 41kDa.
Species	Human
Source	E.coli
ProteinLength	25-390 a.a.
Description	Nuclear factor of activated T-cells (NFAT) is a transcription factor required for T-cell expression of the interleukin 2 gene. NFAT binds to a sequence in the interleukin 2 gene enhancer known as the antigen receptor response element 2. In addition, NFAT can bind RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. NFAT is a heterodimer of 45 kDa and 90 kDa proteins, the smaller of which is the product of this gene. The encoded protein binds strongly to the 90 kDa protein and stimulates its ability to enhance gene expression.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 108 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

PFVPHIPFDLYLCEMAFPRVKPAPDETSFSEALLKRNQDL APNSAEQASILSLVTKIN
 NVIDNLIVAPGTFEVQIEEV RQVGSYKKGTMTTGHNVADLVVILKILPTLEAVAALGN
 KVVESLRAQDPSEVLMTLTNETGFEISSSDATVKILIT TVPPNLRKLDPELHLDIKVLQ
 SALAAIRHARWFEENASQSTVKVLIRLLKDLRIRFPGFEP LTPWILDLLGHYAVMNN P
 TRQPLALNVAYRRCLQILAAGLFLPGSVGITDPCESG NFRVHTVMTLEQQDMVCYT
 AQTLVRILSHGGFRKILGQ EGDASYLASEISTWDGVIVTPSEKAYEKPPEKKEGEEE
 EENTEPPQGEEEEESMETQE

Sequence Similarities

Contains 1 DZF domain.

GENE INFORMATION

Gene Name ILF2 interleukin enhancer binding factor 2, 45kDa [Homo sapiens]

Official Symbol ILF2

Synonyms ILF2; interleukin enhancer binding factor 2, 45kDa; interleukin enhancer binding factor 2, 45kD; interleukin enhancer-binding factor 2; NF45;

Gene ID 3608

mRNA Refseq NM_004515

Protein Refseq NP_004506

MIM 603181

Uniprot ID Q12905

Chromosome Location 1q21.3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Function

ATP binding; DNA binding; double-stranded RNA binding; protein binding; transferase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA