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.

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Sequences of amino acids	PFVPHIPFDFYLCEMAFPRVKPAPDETSFSEALLKRNQDL APNSAEQASILSLVTKIN NVIDNLIVAPGTFEVQIEEV RQVGSYKKGTMTTGHNVADLVVILKILPTLEAVAALGN KVVESLRAQDPSEVLTMLTNETGFEISSSDATVKILIT TVPPNLRKLDPELHLDIKVLQ SALAAIRHARWFEENASQSTVKVLIRLLKDLRIRFPGFEPLTPWILDLLGHYAVMNN P TRQPLALNVAYRRCLQILAAGLFLPGSVGITDPCESG NFRVHTVMTLEQQDMVCYT AQTLVRILSHGGFRKILGQ EGDASYLASEISTWDGVIVTPSEKAYEKPPEKKEGEEE EENTEEPPQGEEEESMETQE
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

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

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