

Recombinant Full Length Human ILF2 Protein, C-Flag-tagged

Cat. No. ILF2-2050HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ILF2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a transcription factor required for T-cell expression of the interleukin 2 gene. It also binds RNA and is an essential component for encapsidation and protein priming of hepatitis B viral polymerase. The encoded 45 kDa protein (NF45, ILF2) forms a complex with the 90 kDa interleukin enhancer-binding factor 3 (NF90, ILF3), and this complex has been shown to affect the redistribution of nuclear mRNA to the cytoplasm, to repair DNA breaks by nonhomologous end joining, and to negatively regulate the microRNA processing pathway. Knockdown of NF45 or NF90 protein retards cell growth, possibly by inhibition of mRNA stabilization. Alternative splicing results in multiple transcript variants. Related pseudogenes have been found on chromosomes 3 and 14.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.9 kDa
AA Sequence	MRGDRGRGRGGRFGSRGGPGGGFRPFVPHIPDFYLCEMAFPRVKPAPDETSFSE ALLKRNQDLAPNSAE QASILSLVTKINNVIDNLIVAPGTFEVQIEEVRQVGSYKKGTM TTGHNVADLVVILKILPTLEAVAALGN KVVESLRAQDPSEVLTLMTNETGFEISSDA

 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

TVKILITTVPPNLRKLDPELHLDIKVLQSALAAIRHARW FEENASQSTVKVLIRLLKDLR
IRFPGFEPLTPWILDLLGHYAVMNNPTRQPLALNVAYRRCLQILAAGLF LPGSVGITD
PCESGNFRVHTVMTLEQQDMVCYTAQTLVRILSHGGFRKILGQEGDASYLASEIST
WDGVI VTPSEKAYEKPPEKKEGEEEEENTEEPPQGEESMETQE TRTRPLEQKLI
SEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

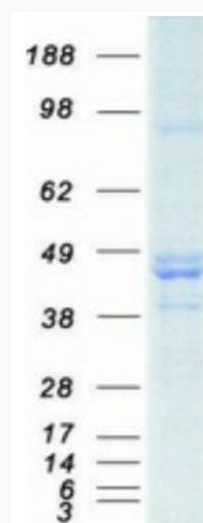
Gene Name	ILF2 interleukin enhancer binding factor 2 [Homo sapiens (human)]
Official Symbol	ILF2
Synonyms	NF45; PRO3063
Gene ID	3608

 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

mRNA Refseq	NM_004515.4
Protein Refseq	NP_004506.2
MIM	603181
UniProt ID	Q12905



Coomassie blue staining of purified ILF2 protein.