Recombinant Full Length Human ILF3 Protein, GST-tagged

Cat. No. ILF3-5794HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ILF3 full-length ORF (AAH03086, 1 a.a. - 158 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	158 amino acids
Description	This gene encodes a double-stranded RNA (dsRNA) binding protein that complexes with other proteins, dsRNAs, small noncoding RNAs, and mRNAs to regulate gene expression and stabilize mRNAs. This protein was first discovered to be a subunit of the nuclear factor of activated T-cells (NFAT); a transcription factor required for T-cell expression of interleukin 2. NFAT is a heterodimer of 45 kDa and 90 kDa proteins, the larger of which is the product of this gene. These proteins have been shown to affect the redistribution of nuclear mRNA to the cytoplasm. Knockdown of NF45 or NF90 protein retards cell growth; possibly by inhibition of mRNA stabilization. In contrast, an isoform (NF110) of this gene that is predominantly restricted to the nucleus has only minor effects on cell growth when its levels are reduced. Alternative splicing results in multiple transcript variants encoding distinct isoforms
Molecular Mass	43.12 kDa
AA Sequence	MCSCPISSPGHIKGLGQEETPVRSADLVFKERMPACNTHGEGHFLAPPAKYLQTLG RRLHSQHRTSLNSFRISDHHHVQVSECRPTTRDGFHPPALLQIHAAQQARAWREQL

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	LSTAPLEPSPRSRSSPVLMMPSCCWPETVSQLQQDDTGFRNMWLSP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ILF3 interleukin enhancer binding factor 3, 90kDa [Homo sapiens]
Official Symbol	ILF3
Synonyms	ILF3; interleukin enhancer binding factor 3, 90kDa; interleukin enhancer binding factor 3, 90kD; interleukin enhancer-binding factor 3; DRBP76; M phase phosphoprotein 4; MPHOSPH4; MPP4; NF90; NFAR 1; M-phase phosphoprotein 4; translational control protein 80; dsRNA binding protein NFAR-2/MPP4; nuclear factor associated with dsRNA; double-stranded RNA-binding protein, 76 kD; nuclear factor of activated T-cells 90 kDa; nuclear factor of activated T-cells, 90 kD; CBTF; DRBF; MMP4; NFAR; NF110; NF90a; NF90b; NFAR2; TCP80; NF110b; NFAR-1; TCP110; NF-AT-90;
Gene ID	3609
mRNA Refseq	NM_001137673

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Protein Refseq	NP_001131145
MIM	603182
UniProt ID	Q12906

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